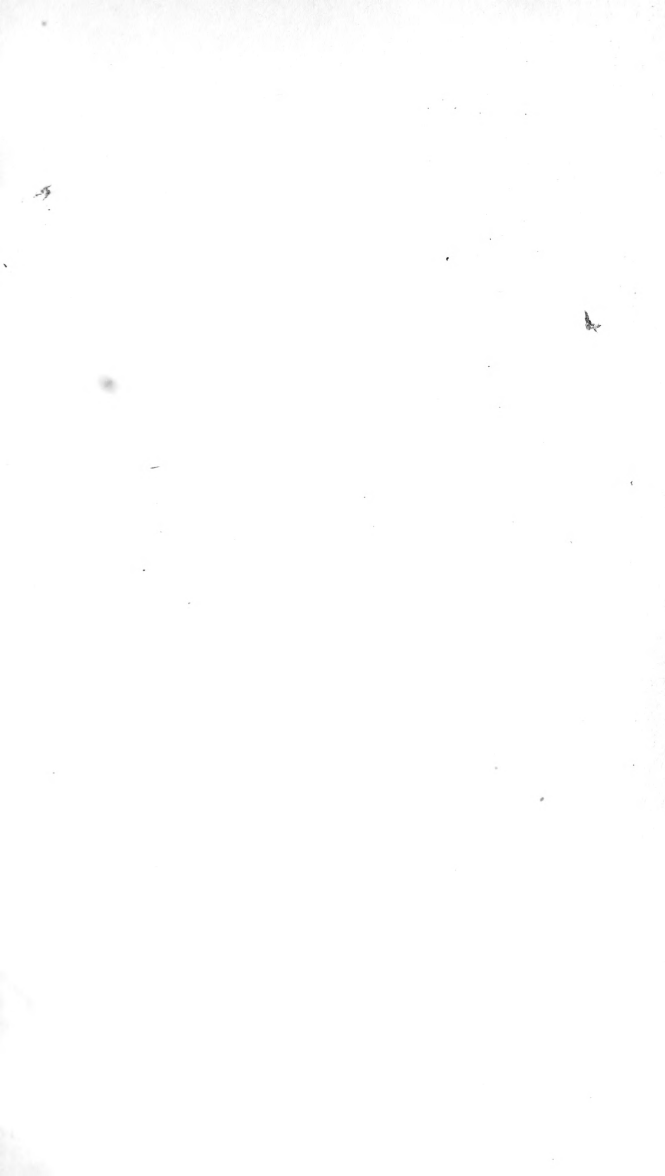




000249903

O. 72. A. a (1.)  
d.  
B.









LIST  
OF THE  
SPECIMENS  
OF  
BRITISH ANIMALS  
IN  
THE COLLECTION  
OF THE  
BRITISH MUSEUM.

---

PART VI.—HYMENOPTERA ACULEATA.



PRINTED BY ORDER OF THE TRUSTEES.

LONDON, 1851.

---

LONDON :  
PRINTED BY EDWARD NEWMAN,  
9, DEVONSHIRE ST., BISHOPSGATE.

---

57  
10:8  
1



## INTRODUCTION.

---

THE principal object of the present Catalogue has been to give a complete list of the species of Aculeate Hymenopterous Insects that have been recorded as found in Great Britain, indicating at the same time their localities, and the species that are contained in the Collection ; the latter are indicated by the letters B. M. annexed.

This Catalogue of Hymenopterous Insects has been prepared and the new species described by MR. FREDERICK SMITH, so well known for his attention to this order of Insects.

JOHN EDWARD GRAY.

*British Museum,*  
*Sept. 10th, 1851.*



CATALOGUE  
OF  
BRITISH HYMENOPTERA.

---

Order HYMENOPTERA, *Linn.*

Division 2. ACULEATA, *Latr.*

Tribe 1. HETEROGYNA, *Latr.*

Family 1. FORMICIDÆ, *Leach.*

1. FORMICA.

Formica, pt., *Linn. Faun. Suec.* 426, 1761.

Lasius, pt., *Fab. Syst. Piez.* 415, 1804.

1. FORMICA RUFA. The Wood Ant.

B. M.

Formica rufa, *Linn. Faun. Suec.* 1721. *Scop. Ins. Carn.* 836. *De Geer, Ins.* 2, 1053, i. t. 41, f. 1, 2. *Fab. Syst. Ent.* 391, 4. *Schrank, Ins. Aust.* 834. *Fourc. Ent. Paris*, ii. 452, 4. *Rossi, Faun. Etrus.* ii. 113, 936. *Christ.* 510, t. 60, f. 7, 8. *Don. Brit. Ins.* 14, 76, t. 496. *Lat. Fourm.* 143, t. 5, f. 28. *Jurine, Hym.* 272. *St. Farg. Hist. Nat. Ins.* i. 201, 3. *Curtis, Brit. Ent.* 16, t. 752. *Zett. Ins. Lapp.* 448, 3.

Formica dorsata, *Panz. Faun. Germ.* 54, 1. ♀.

Formica Herculanea, *Sam. Comp.* 69, t. 8, f. 10.

*Formica maxima*, *Ray, Hist. Ins.*

The Hill-Ant, *Gould's Ants*, ii. 1.

La Fourmi brune, à corcelet fauve, *Geoff. Ins.* ii. 428, 4.

*Hub. Fourm.* 320.

HAB.—Britain.

2. FORMICA SANGUINEA. The Warrior Ant.

B. M.

*Formica sanguinea*, *Latr. Hist. Nat. Fourm.* 150, t. 5, f. 29. *Jurine,*

*Hym.* 272. *Huber, Fourm.* 326, t. 2, f. 5, 6, 7. *St. Farg. Hist.*

*Nat. Ins.* i. 203, 4.

*Formica cephalotes* Europeae, *Christ. Hym.* 511, t. 60, f. 9.

HAB.—Hants, Shirley, Surrey, in Banks.

3. FORMICA CUNICULARIA. The Mining Ant.

B. M.

*Formica cunicularia*, *Latr. Hist. Nat. Fourm.* 151. *St. Farg. Hist.*

*Nat. Ins.* i. 203, 5.

*Formica obsoleta*, *Latr. Essai*, 38.

*Formica pratensis*, *Oliv. Enc. Méth.* vi. 504.

*Formica media*, *Ray, Hist. Ins.* 69.

*Huber*, 324, 2, f. 11, 12, 13.

HAB.—Highgate, Banks, &c.

4. FORMICA BRUNNEA. The Brown Ant.

B. M.

*Formica brunnea*, *Latr. Hist. Nat. Fourm.* 168, t. 6, f. 35, A.

*Formica pallida*, *Latr. Essai*, 41.

*Formica brunnea*, *Jurine*, 273.

HAB.—Hampstead, Banks, &c.

5. FORMICA NIGRA. The Garden Ant.

B. M.

*Formica nigra*, *Linn. Faun. Suec.* 1723. *Scop. Ent. Carn.* 834.

*De Geer, Ins.* ii. 1085, 4, t. 42, f. 16. *Schrank, Ins. Aust.* 832.

*Rossi, Faun. Etrus.* ii. 113, 937. *Fab. Ent. Syst.* ii. 352, 10.

*Latr. Hist. Nat. Fourm.* 156. *St. Farg. Hist. Nat. Ins.* i.

206, 7.

*Lasius niger*, *Fab. Syst. Piez.* 415, 1.

*Formica minor*, *Ray, Hist. Ins.* 69.

*Swamm. Bibl. Nat.* t. 16, f. 1—11.

The small black Ant, *Gould, Eng. Ants*, ii. 5.

La Fourmi toute noire, *Geoff. Ins. Par.* ii. 429, 6.

HAB.—Britain, Banks.

6. FORMICA FUSCA. The Ash-coloured Ant.

B. M.

*Formica fusca*, *Linn. Faun. Suec.* 1722. *De Geer, Ins.* ii. 1082, 3, t. 42, f. 12, 15. *Schrank, Ins. Aust.* 413, 833. *Oliv. Enc. Méth.* vi. 433. *Fab. Ent. Syst.* ii. 352, 11. *Latr. Hist. Nat. Fourm.* 159, t. 6, f. 32. *Jurine, Hym.* 272. *St. Farg. Hist. Nat. Ins.* 205, 6. *Zett. Ins. Lapp.* 448, 4.

*Formica libera*, *Scop. Ent. Carn.* 313, 835.

*Formica nigra*, *Christ.* 510, t. 60, f. 6. ♂

La Fourmi toute biune, *Geoff. Ins. Par.* ii. 428, 5.

*Huber, Fourm.* 322, t. 2, f. 8, 9, 10.

HAB.—Britain, Banks.

7. FORMICA FULIGINOSA. The Jet Ant.

B. M.

*Formica fuliginosa*, *Latr. Hist. Nat. Fourm.* 140, t. 5, f. 27, a. b. *St. Farg. Hist. Nat. Ins.* i. 200, 2.

*Formica media*, *Ray, Hist. Ins.* 69?

The Jet Ant, *Gould, Eng. Ants*, 3.

HAB.—Britain, Trunks of trees, &c.

8. FORMICA FLAVA. The Turf Ant.

B. M.

*Formica flava*, *De Geer, Ins.* ii. 1089, 5, t. 42, f. 24. *Fab. Ent. Syst.* ii. 357, 34. *Latr. Hist. Nat. Fourm.* 166, t. 6, f. 36, a. *Oliv. Enc. Méth.* vi. 496. *St. Farg. Hist. Nat. Ins.* i. 208, 9.

*Formica minor rubescens*, *Ray, Ins.* 69.

The common Yellow Ant, *Gould, Eng. Ants*, 3.

*Huber, Fourm.* 52.

HAB.—Britain, Meadows and banks.

Fam. 2. MYRMICIDÆ, *Smith.*

## 1. MYRMICA.

Formica, pt., *Linn. Syst. Nat.* i. 962, 1766.

Myrmica, *Latr. Gen. Crust. Ins.* iv. 131.

Manica, *Jurine, Hym.* 276, 1807.

## 1. MYRMICA RUBRA. The Red Ant.

B. M.

Formica rubra, *Linn. Syst. Nat.* 963, 7. *De Geer, Ins.* ii. 1093, 6, t. 43, f. 1. *Schrank, Ins. Aust.* 415, 837. *Oliv. Enc. Méth.* vi. 493. *Fabr. Ent. Syst.* 353, 14. *Don.* 14, 87, t. 503. *Latr. Hist. Nat. Fourm.* 246, t. 10, f. 62.

Myrmica rubra, *Latr. Gen. Crust. Ins.* 131. *St. Farg. Hist. Nat. Ins.* i. 181, 2, t. 2, f. 3, ♂.

Formica minima rubra, *Ray, Ins.* 69.

The Red Ant, *Gould, Eng. Ants*, ii. 3.

Manica rubra, *Jurine*, 279.

*Huber, Fourm.* 59.

HAB.—Britain, Meadows, Banks, &c.

## 2. MYRMICA CÆSPITUM.

B. M.

Formica cæspitum, *Linn. Faun. Suec.* 427, 1726. *Scop. Ins. Carn.* 837. *De Geer, Ins.* ii. 1105, 7, t. 43, f. 15, 16. *Schrank, Ins. Aust.* 836. *Oliv. Enc. Méth.* vi. 496. *Rossi, Faun. Etrus.* ii. 113, 938. *Christ. Hym.* 503, t. 58, f. 1, 2, 3. *Fab. Ent. Syst.* ii. 358, 35. *Latr. Fourm.* 251, t. 10, f. 63.

HAB.—Hants, Borders of woods, &c.

## 3. MYRMICA TUBERUM.

B. M.

Formica tuberum, *Fab. Syst. Ent.* 393, 15. *Ent. Syst.* 358, 36. *Oliv. Enc. Méth.* vi. 497. *Latr. Hist. Fourm.* 74.

Myrmica tuberum, *St. Farg. Hist. Nat. Ins.* i. 183, 3. *Zett. Ins. Lapp.* 452, 4.

Formica tuberosa, *Latr. Hist. Nat. Fourm.* 259.

HAB.—Shirley Common, Surrey, &c.

## 4. MYRMICA ACERVORUM.

B. M.

Formica acervorum, *Fab. Ent. Syst.* ii. 358, 38.Myrmica acervorum, *Zett. Ins. Lapp.* 451, 3.

HAB.—Hants, under bark.

## 5. MYRMICA GRAMINICOLA.

Formica graminicola, *Latr. Fourm.* 255.

HAB.—Weybridge, Surrey, under stones.

## 6. MYRMICA UNIFASCIATA.

B. M.

Formica unifasciata, *Latr. Hist. Nat. Fourm.* 257.

HAB.—Coombe Wood Surrey, in moss.

## 7. MYRMICA DOMESTICA. The House Ant.

B. M.

Myrmica domestica, *Shuck. Ann. Mag. Nat. Hist.* 626, 1838.  
*Bostock, Trans. Ent. Soc.* ii. 65.

HAB.—Houses, London, Brighton, &amp;c.

## 2. MYRMECINA.

Myrmecina, *Curt. Brit. Ent.* vi. t. 266, 1830. *Westw. Int. Class.*  
*Ins. Synop.* 83, 1840.

## 1. MYRMECINA LATREILLII.

Myrmecina Latreillii, *Curt. Brit. Ent.* vi. 265.

HAB.—Isle of Wight, Hants, and Colney Hatch Middlesex.

## 3. STENAMMA.

Stenammas, *Westw. Int. Class. Ins. Synop.* 83, 1840.

## 1. STENAMMA WESTWOODII.

B. M.

Stenammas Westwoodii, *Steph. Syst. Cat.* 356, 48, 38. *Westw. Int.*  
*Class. Ins.* ii. 226, t. 86, f. 11.

HAB.—Britain.

Fam. 3. PONERIDÆ, *Smith.*

## 1. PONERA.

Formica, pt., *Fab. Syst. Piez.* 395, 1804.

Ponera, *Latr. Gen. Crust. Ins.* 127, 1806.

## 1. PONERA CONTRACTA.

B. M.

Formica contracta, *Latr. Hist. Nat. Fourm.* 195, t. 7, f. 40. *Fabr. Syst. Piez.* 410, 58.

Ponera contracta, *Latr. Gen. Crust. Ins.* 128. *St. Farg. Hist. Nat. Ins.* i. 195, 8. *Steph. Ill. Brit. Ent. Mand. Supp.* 15, t. 42, f. 2.

HAB.—Britain.

Fam. 4. MUTILLIDÆ, *Leach.*

## 1. MUTILLA.

Mutilla, *Linn. Syst. Nat.* 966, 1766.

## 1. MUTILLA EUROPÆA.

B. M.

Mutilla Europæa, *Linn. Faun. Suec.* 1727, ♀. *Sulz. Gesch. Ins.* t. 27, f. 23, ♂, 24, ♀. *Schrank, Ins. Aust.* 415, 839, ♀. *Oliv. Enc. Méth.* viii. 57, 15. *Rossi, Faun. Etrus.* ii. 114, 939. *Christ. Hym.* 147, t. 11, f. 1, ♂, 2, ♀. *Don. Brit. Ins.* vi. 77, t. 212. *Fab. Ent. Syst.* ii. 368, 9. *Latr. Hist. Nat.* 13, 263. *Coqueb. Illust.* t. 16, f. a, ♀, b, ♂. *Panz. Faun. Germ.* 76, 20, ♂. *Shuck. Foss. Hym.* 29, 1, ♂, ♀. *St. Farg. Hist. Nat. Ins.* iii. 597, 3. *Nyland, Act. Soc. Sc. Fenn.* i. 8, 1.

Apicis Europa, *Harr. Expos.* 166, 18, t. 50, f. 18.

Apicis Simile, *Harr. Expos.* 166, 19, t. 50, f. 19, ♀.

HAB.—Sandy districts (Nests of Bombi).

## 2. MUTILLA CALVA.

B. M.

Mutilla calva, *Villers, Entom.* iii. 343, 9, t. 8, f. 34, ♀. *Fab. Syst. Piez.* 438, 46, ♀. *Lat. Act. Soc. Hist. Nat.* x. 8, ♀. *Oliv. Enc. Méth.* viii. 64, 56, ♀. *Coqueb. Illustr.* 68, t. 16, f. 10, ♀. *Shuck. Foss. Hym.* 30, 2, ♂, ♀. *St. Farg. Hist. Nat. Ins.* iii. 607, 19. *Nyland, Act. Soc. Sc. Fenn.* 11, 3.

Mutilla nigrita, *Panz.* 80, 22, ♂. *Oliv. Enc. Méth.* viii. 65, 59, ♂.

HAB.—Shooter's Hill?



## 3. MUTILLA EPHIPPIMUM.

B. M.

*Mutilla ephippium*, *Fab. Ent. Syst.* ii. 370, 18, ♂. *Oliv. Enc. Méth.* viii. 63, 45. *Rossi, Faun. Etrus. Mant* i. t. 2, f. n. ♀. *Curtis, Brit. Ent.* ii. t. 77, ♂, ♀. *Shuck. Foss. Hym.* 31, 3. *St. Farg. Hist. Nat. Ins.* iii. 608, 22. *Nyland, Act. Soc. Sc. Fenn.* 13, 4.

*Mutilla rufipes*, *Fab. Ent. Syst.* ii. 372, 26, ♂. *Oliv. Enc. Méth.* viii. 66, 68. *Latr. Hist. Nat.* xiii. 264. *Coqueb. Illust.* t. 16, f. 9.

*Mutilla sellata*, *Panz. Faun. Germ.* 46, 19. ♀.

HAB.—Sandy districts, Surrey, Hants, Isle of Wight, Sea-shore.

## 7. MYRMOSA.

*Mutilla*, pt., *Fab. Ent. Syst.* ii. 366, 1793.

*Myrmosa*, *Lat. Hist. Nat.* 13, 1805.

## 1. MYRMOSA MELANOCEPHALA.

B. M.

*Mutilla melanocephala*, *Fab. Ent. Syst.* ii. 372, 27, ♀. *Oliv. Enc. Méth.* viii. 65, 45. *Coqueb. Illust.* i. t. 6, f. 11.

*Myrmosa melanocephala*, *Latr. Hist. Nat.* xiii. 266. *Lat. Gen. Crust. Ins.* t. 13, f. 6, ♀. *Shuck. Foss. Hym.* 33, 1, ♂, ♀. *St. Farg. Hist. Nat. Ins.* iii. 589, 1. *Dahlb. Clav. Hym.* t. f. 30, 31. *Guér. Icon. Règ. An.* t. 69, f. 6, ♀. *Nyland, Act. Soc. Sc. Fenn.* 16, 2, ♂, ♀.

*Myrmosa atra*, *Panz.* 85, 14, ♂. *St. Farg. Hist. Nat. Ins.* iii. 591, 4, ♂.

*Myrmosa nigra*, *Latr. Gen. Crust. Ins.* i. t. 13, f. 6, ♀.

HAB.—West of England.

## 8. METHOCA.

*Methoca*, *Latr. Hist. Nat.* xiii. 268, 1805.

*Mutilla*, *Jurine, Hym.* 266, 1807.

*Gonatophus*, *Nees ab Esenbeck, Hym. Ichneu. Affin.* ii. 384, 1834.

*Tengyra*, *Latr. Gen. Crust. Ins.* iv. 116, ♂, 1809.

## 1. METHOCA ICHNEUMONIDES.

B. M.

*Methoca ichneumonides*, *Latr. Hist. Nat.* xiii. 269, ♀. *Guér. Icon. Règ. An. Ins.* t. 69, f. 7, ♀. *Curt. Brit. Ent.* 7, t. 329, ♂, ♀. *Shuck. Foss. Hym.* 36, 1. *St. Farg. Hist. Nat. Ins.* iii. 573, 1, t. 36, f. 1, ♂. *Nyland, Act. Soc. Sc. Fenn.* 19, 1.

*Mutilla formicaria*, *Jurine, Hym.* 266, t. 13, f. 49, ♀.

*Tengyra Sanvitali*, *Latr. Gen. Crust. Ins.* iv. 116, ♂. *Van der Lind. Obs.* i. 13, ♂. *Dahlb. Clav. Hym.* t. 28, 29, ♂, ♀.

HAB.—Hampstead, Weybridge, Surrey, Birch Wood, Kent.

Tribe 2. FOSSORES, *Latr.*Fam. 1. SCOLIADÆ, *Leach.*

## 1. TIPHIA.

*Tiphia*, pt., *Fab. Ent. Syst.* ii. 223.

## 1. TIPHIA FEMORATA.

B. M.

*Tiphia femorata*, *Fab. Syst. Ent.* 353, 1, ♀. *Rossi, Faun. Etrus.* ii. 67, 828. *Panz. Faun. Germ.* 53, 3, ♀. *Latr. Hist. Nat.* xiii. 267. *Jurine, Hym.* t. 9, gen. 11, ♀. *Dahlb. Clav. Hym.* t. f. 27, ♂, ♀. *Shuck. Foss. Hym.* 39, 1. *St. Farg. Hist. Nat. Ins.* iii. 556, 6. *Nyland, Act. Soc. Sc. Fenn.* 21, 1.

*Bethylus femoratus*, *Panz. Krit. Revis.* ii. 134, ♀.

*Tiphia villosa*, *Fab. Syst. Piez.* 235. 22, ♂. *Latr. Hist. Nat.* xiii. 267. *Van der Lind. Obs.* pt. 1, 10, 2, ♂.

*Bethylus villosus*, *Panz. Faun. Germ.* 98, 16, ♂.

HAB.—Sandy districts, West of England.

## 2. TIPHIA MORIO.

B. M.

*Tiphia morio*, *Fab. Syst. Piez.* 235, 21. *Panz. Faun. Germ.* 55, 1. *Van der Lind. Obs.* i. 10, 3. *Shuck. Foss. Hym.* 41, 2. *St. Farg. Hist. Nat. Ins.* iii. 557, 7. *Nyland, Act. Soc. Sc. Fenn.* 23, 2.

HAB.—Devon?

## 3. TIPHIA MINUTA.

B. M.

*Tiphia minuta*, *Van der Lind. Obs.* pt. 1, 12, 4. *Shuck. Foss. Hym.* 42, 3. *Curtis, Brit. Ent.* xi. t. 664. *St. Farg. Hist. Nat. Ins.* iii. 558, 9. *Nyland, Act. Soc. Sc. Fenn.* 24, 3.

HAB.—Hampstead, Bristol, &c.

Fam. 2. SAPYGIDÆ, *Leach.*

## 1 SAPYGA.

*Apis*, pt., *Linn. Syst. Nat.* 953, 1766.

*Scolia*, pt., *Fab. Syst. Ent.* 355, 1775.

*Sirex*, pt., *Fab. Mant.* i. 257, 1787.

*Sapyga*, *Latr. Précis.* 134, 1769.

*Masaris*, *Panz. Fas.* 47, 1801.

*Hellus*, *Fab. Syst. Piez.* 246, 1804.

## 1. SAPYGA QUADRIGUTTATA.

B. M.

*Scolia quinquepunctata*, *Fab. Spec. Ins.* i. 453, 14, ♀.

*Scolia quadriguttata*, *Fab. Spec. Ins.* i. 454, 15, ♂.

*Sirex pacca*, *Fab. Mant.* i. 258, 15, ♀.

*Scolia sexguttata*, *Fab. Ent. Syst.* ii. 235, 30, ♂.

*Sapyga punctata*, *Klug, Mon. Siric.* 61, t. 7, f. 4, ♀, 5, ♂. *Panz. Faun. Germ.* 100, 17, ♂. *Spin. Ins. Lig.* i. 76, 1. *Latr. Hist. Nat.* xiii. 272. *Shuck. Foss. Hym.* 44, 1. *Nyland, Act. Soc. Sc. Fenn.* 25, 1.

*Sapyga quadripunctata*, *Panz. Faun. Germ.* 87, 20, ♂.

*Hellus sexpunctatus*, *Fab. Piez.* 246, 1.

*Hellus quadriguttatus*, *Fab. Piez.* 247, 3.

*Hellus pacca*, *Fab. Piez.* 247, 6.

*Sapyga decemguttata*, *Jurine, Hym.* 160, t. 9, gen. 13, ♂.

*Sapyga sexpunctata*, *Latr. Nouv. Dict. Ed.* ii. 30, 179.

*Sapyga decipiens*, *St. Farg, Enc. Méth.* x. 338, 2.

*Sapyga varia*, *St. Farg. Enc. Méth.* x. 338, 1. *Guér. Icon. Règ. An.* t. 69, f. 11, ♀.

HAB.—Britain.

## 2. SAPYGA CLAVICORNIS.

B. M.

*Apis clavicornis*, *Linn. Syst. Nat.* i. 953, 3, and *Cab. Mus. Linn. Soc.* ♂.

*Scolia prisma*, *Fab. Ent. Syst.* ii. 236, 31, ♀.

*Masaris crabroniformis*, *Panz. Faun. Germ.* 47, 22.

*Hellus prisma*, *Fab. Syst. Piez.* 247, 5.

*Sapyga prisma*, *Klug, Mon. Siric. Germ.* 63, t. 7, f. 7, ♀, f. 8, ♂.  
*Latr. Hist. Nat.* xiii. 273, 2. *St. Farg. Hist. Nat. Ins.* iii. 565, 3.

*Sapyga clavicornis*, *Curtis, Brit. Ent.* xi. t. 532, ♂, ♀. *Shuck. Foss. Hym.* 45, 2. *Nyland, Act. Soc. Sc. Fenn.* 27, 2.

HAB.—Herefordshire, Nottingham, Wakefield Yorkshire.

Fam. 3. POMPILIDÆ, *Leach.*

## 1. POMPILUS.

*Sphex*, pt., *Linn. Syst. Nat.* i. 941, 1766.

*Evania*, pt., and *Sphex*, pt., *Fab. Ent. Syst.* ii. 192, 198, 1793.

*Pompilus*, pt., *Fab. Ent. Syst. Supp.* 246, 1798.

*Ceropales*, pt., and *Pompilus*, pt., *Fab. Syst. Piez.* 185, 187, 1804.

*Priocnemis*, *Pompilus*, *Agenia* and *Priocnemis*, *Schiödte, Disp. Syst.* xiv. 21, 90, 1838.

*Pompilus*, *Agenia* and *Priocnemis*, *Dahlb. Hym. Europ.* 38, 80, 93, 1843.

*Calicurgus*, *Pompilus* and *Anoplius*, *St. Farg, Hist. Nat. Ins.* iii. 397, 416, 442.

## 1. POMPILUS PLUMBEUS.

B.M.

*Sphex plumbea*, *Fab. Mant.* i. 278, 64. *Rossi, Faun. Etrus.* i. 127, 280.

*Pompilus pulcher*, *Fab. Ent. Syst. Supp.* 249, 19. *Spin. Ins. Lig.* i. 69, 4. *Shuck. Foss. Hym.* 49, 1. *St. Farg, Hist. Nat. Ins.* iii. 424, 11.

*Pompilus plumbeus*, *Dahlb. Hym. Europ.* 42, 21.

HAB.—Hants, Isle of Wight, Weybridge Surrey, &c.

## 2. POMPILUS NIGER.

B. M.

*Sphex nigra*, *Fab. Syst. Ent.* 350, 22. *Rossi, Faun. Etrus.* ii. 64, 819.

*Pompilus niger*, *Fab. Ent. Syst. Supp.* 247, 8. *Panz. Faun. Germ.* 71, 19. *Van der Lind. Obs.* i. 306, 1. *Shuck. Foss. Hym.* 50, 2. *Dahlb. Hym. Europ.* 45, 24. *Zett. Ins. Lapp.* 439, 9.

HAB.—Britain.

## 3. POMPILUS BIFASCIATUS.

B. M.

*Sphex bifasciata*, *Fab. Ent. Syst.* ii. 212, 58.

*Pompilus bifasciatus*, *Fab. Ent. Syst. Supp.* 248, 16. *Panz. Faun. Germ.* 86, 12. *Latr. Hist. Nat.* xiii. 281, 4. *Van der Lind. Obs.* pt. 1, 40. *Shuck. Foss. Hym.* 52, 3.

*Agenia hircana*, *Dahlb. Hym. Europ.* 83, 40.

*Agenia bifasciata*, *Schiödte, Disp.* xi. 2.

*Anoplius bifasciatus*, *St. Farg. Hist. Nat. Ins.* 459, 30.

HAB.—Colney Hatch, Coombe Wood, New Forest.

## 4. POMPILUS VARIEGATUS.

B. M.

*Sphex variegata*, *Linn. Syst. Nat.* i. 944, 18, and *Cab. Mus. Linn. Soc.*

*Pompilus hircanus*, *Fab. Syst. Piez.* 195, 40. *Panz.* 87, 21. *St. Farg. Enc. Méth.* x. 180, 7. *Zett. Ins. Lapp.* 439, 8.

*Pompilus variegatus*, *Illig. Faun. Etrus.* ii. 99, 820. *Van der Lind.* pt. 1, 41, 6. *Shuck. Foss. Hym.* 53, 4.

*Agenia variegata*, *Schiödte, Disp.* x. 1. *Dahlb. Hym. Europ.* 88, 42.

*Anoplius variegatus*, *St. Farg. Hist. Nat. Ins.* 445, 6, t. 32, f. 4.

HAB.—Coombe Wood and Bristol.

## 5. POMPILUS PETIOLATUS.

B. M.

*Pompilus petiolatus*, *Van der Lind. Obs.* pt. 1, 44. *Shuck. Foss. Hym.* 54, 5.

*Agenia carbonaria*, *Dahlb. Hym. Europ.* 90, 43, ♀.

*Anoplius petiolatus*, *St. Farg. Hist. Nat. Ins.* iii. 443, 3.

HAB.—Birch Wood Kent, Hammersmith and Hants.

## 6. POMPILUS CINCTELLUS.

*Pompilus cinctellus*, *Spin. Ins. Lig.* ii. 39, 34. *Van der Lind.* pt. 1, 49. *Shuck. Foss. Hym.* 55, 6. *Dahlb. Hym. Europ.* 38, 19.

*Pompilus clypeatus*, *Dahlb. Mon. Pomp.* xiv. 22, ♀.

*Anoplius cinctellus*, *St. Farg. Hist. Nat. Ins.* iii. 453, 19.

HAB.—Sand banks, Hawley Hants, Weybridge Surrey, on old walls, Hampstead, &c.

## 7. POMPILUS PUNCTUM.

*Sphex punctum*, *Fab. Spec. Ins.* i. 448, 33.

*Evania punctum*, *Fab. Ent. Syst.* ii. 194, 6.

*Ceropales punctum*, *Fab. Syst. Piez.* 187, 9.

*Pompilus punctum*, *Panz.* 86, 12. *Van der Lind. Obs.* pt. 1, 45. *Shuck. Foss. Hym.* 56, 7.

*Agenia carbonaria*, *Dahlb. Hym. Europ.* 90, 43, ♂.

*Anophius albigena*, *St. Farg. Hist. Nat. Ins.* 457, 27.

HAB.—Colney Hatch, also near Bristol.

## 8. POMPILUS HYALINATUS.

B. M.

*Sphex hyalinata*, *Fab. Ent. Syst.* ii. 212, 56, ♂.

*Pompilus hyalinatus*, *Fab. Ent. Syst. Supp.* 247, 7, ♂. *Van der Lind. Obs.* pt. 1, 46, 11, ♂. *Shuck. Foss. Hym.* 57, 8, ♂. *Schiödte, Disp.* 14, 1, ♂.

*Liris hyalinata*, *Fab. Syst. Piez.* 230, 11, ♂.

*Anoplius hyalinatus*, *St. Farg. Hist. Nat. Ins.* iii. 458, 28, ♂.

*Pompilus fasciatellus*, *Spin. Ins. Lig.* ii. 37, t. 5, f. 22, ♀. *Van der Lind. Obs.* pt. 1, 65, 31, ♀. *Shuck. Foss. Hym.* 67, 18, ♀. *Schiödte, Disp.* 17, 5, ♀.

*Priocnemis maculipennis*, *Dahlb. Hym. Europ.* 105, 49, ♀.

HAB.—Highgate and Camberwell.

## 9. POMPILUS RUFIPES.

B. M.

*Sphex rufipes*, *Linn. Syst. Nat.* i. 945, 29, and *Cab. Mus. Linn. Soc. Fab. Ent. Syst.* ii. 214, 66.

*Sphex fuscata*, *Fab. Ent. Syst.* ii. 212, 57.

*Pompilus fuscatus*, *Fab. Ent. Syst. Supp.* 248, 14.

*Pompilus rufipes*, *Fab. Ent. Syst. Supp.* 250, 27. *Latr. Hist. Nat.* xiii. 281, 6. *Panz. Faun. Germ.* 65, 17. *Van der Lind. Obs.* pt. 1, 59, 24. *Curtis, Brit. Ent.* v. t. 238. *Dahlb. Hym. Europ.* 50, 27. *St. Farg. Hist. Nat. Ins.* iii. 421, 7. *Schiödte*, 31, 1.

HAB.—Hants, Southend, Weybridge, and North Wales.

10. *POMPILUS ATTENUATUS*, *Smith.* See *Appendix*.

10. *POMPILUS NOTATUS*.

*Sphex notata*, *Rossi, Faun. Etrus. Mant.* i. 127, 281.

*Pompilus gutta*, *Spin. Ins. Lig.* ii. 40, 35.

*Pompilus notatus*, *Van der Lind. Obs.* i. 47, 12. *Shuck. Foss. Hym.* 59, 10. *Steph. Illust. Brit. Ent. Mand.* 7, *Supp.* 13, t. 41, f. 2.

*Priocnemis femoralis*, *Dahlb. Hym. Europ.* 109, 51?

*Anoplius notatus*, *St. Farg. Hist. Nat. Ins.* iii. 462, 35.

HAB.—Highgate, and Ripley Surrey.

11. *POMPILUS SERICATUS*.

*Pompilus sericatus*, *Shuck. Foss. Hym.* 60, 11.

*Priocnemis sericatus*, *Dahlb. Hym. Europ.* 111, 53.

HAB.—London district.

12. *POMPILUS FUSCUS*.

B. M.

*Sphex fusca*, *Linn. Faun. Suec.* 1652, and *Cab. Mus. Linn. Soc.* *Rossi, Faun. Etrus.* ii. 62, 813.

*Sphex rufo-fasciata*, *De Geer, Ins.* ii. 822, t. 28, f. 6.

*Sphex viatica*, *Scop. Ent. Carn.* 780. *Frisch. Ins.* ii. t. 1, f. 13. *Christ. Hym.* 315.

*Pompilus viaticus*, *Fab. Ent. Syst. Supp.* 246, 4. *Panz. Faun. Germ.* 65, 16. *Van der Lind. Obs.* i. 72, 40. *Shuck. Foss. Hym.* 61, 12. *Zett. Ins. Lapp.* 437, 3. *Dahlb. Hym. Europ.* 57, 29. *St. Farg. Hist. Nat. Ins.* iii. 431, 24. *Guér. Icon. Règ. An.* t. 70, f. 1.

*L'Ichneumon noir*, &c., *Geoff. Ins.* ii. 354, 74.

HAB.—Britain.

13. *POMPILUS GIBBUS*.

B. M.

*Sphex gibba*, *Linn. Syst. Nat.* i. 946, 33, and *Cab. Mus. Linn. Soc.* *Fab. Syst. Ent.* 350, 23. *Rossi, Faun. Etrus.* ii. 63, 816.

*Pompilus gibbus*, *Fab. Ent. Syst. Supp.* 249, 17. *Panz. Faun. Germ.* 77, 13. *Van der Lind. Obs.* pt. 1, 68, 35. *Shuck. Foss. Hym.* 62, 13. *St. Farg. Hist. Nat. Ins.* iii. 435, 30. *Schiödte*, 21, 6.

*Pompilus curtus*, *Zett. Ins. Lapp.* 438, 4?

*Pompilus trivialis*, *Dahlb. Hym. Europ.* 65, 30.

HAB.—Britain.

#### 14. POMPILUS PECTINIPES.

*Sphex pectinipes*, *Linn. Faun. Suec.* 1654, and *Cab. Mus. Linn. Soc.*

*Pompilus crassicornis*, *Shuck. Foss. Hym.* 63, 14. *Dahlb. Disp.* x. 39.

*Pompilus pectinipes*, *Dahlb. Hym. Europ.* 68, 33.

*Pompilus difformis*, *Schiödte, Disp.* 27, 8, t. 4, f. 4.

HAB.—Hampstead, Southend, &c.

#### 15. POMPILUS AFFINIS.

B. M.

*Pompilus affinis*, *Van der Lind. Obs.* i. 67, 34. *Shuck. Foss. Hym.* 65, 16.

*Priocnemis affinis*, *Dahlb. Hym. Europ.* 103, 48.

*Calicurgus affinis*, *St. Farg. Hist. Nat. Ins.* iii. 413, 23.

HAB.—Weybridge, Blackwater Hants.

#### 16. POMPILUS SEPICOLA.

B. M.

*Pompilus fuscus*, *Fab. Ent. Syst. Supp.* 246, 3 (nec Linn.) *Panz. Faun. Germ.* 65, 15. *Van der Lind.* i. 66, 33. *Shuck. Foss. Hym.* 64, 15. *Zett. Ins. Lapp.* 437, 1.

*Calicurgus fuscus*, *St. Farg, Hist. Nat. Ins.* iii. 412, 22.

*Priocnemis fuscus*, *Dahlb. Hym. Europ.* 102, 16.

HAB.—Hedgerows, Britain.

#### 17. POMPILUS EXALTATUS.

B. M.

*Sphex exaltata*, *Fab. Syst. Ent.* 351, 31. *Rossi, Faun. Etrus.* ii. 64, 820.

*Sphex revo*, *Harris, Expos.* 95, t. 28. *Sphex*, f. 3.

*Sphex albomaculata*, *Schrank, Ins. Aust.* 775.



- Pompilus exaltatus*, *Fab. Ent. Syst. Supp.* 251, 31. *Panz. Faun. Germ.* 195, 41, and 86, 10. *Van der Lind. Obs.* pt. 1, 64, 30. *Shuck. Foss. Hym.* 66, 17. *Zett. Ins. Lapp.* 438, 6.
- Priocnemis exaltatus*, *St. Farg. Hist. Nat. Ins.* iii. 410, 19. *Dahlb. Hym. Europ.* 113, 55.

HAB.—Britain.

## 2. CEROPALES.

- Evania*, pt., *Fab. Syst. Ent.* 345, 1775.
- Ichneumon*, pt., *Oliv. Enc. Méth.* 7, 209, 1789.
- Ceropales*, *Latr. Hist. Nat.* xiii. 283, 1805.

### 1. CEROPALES MACULATA.

B. M.

- Evania maculata*, *Fab. Syst. Ent.* 345, 2. *Rossi, Faun. Etrus.* ii. 84, 799.
- Ichneumon multicolor*, *Oliv. Enc. Méth.* vii. 209, 17.
- Ceropales maculata*, *Latr. Hist. Nat.* xiii. 283, 1. *Fab. Syst. Piez.* 185, 1. *Shuck. Foss. Hym.* 69, 1. *Schiödte, Disp.* 8, 1. *Dahlb. Hym. Europ.* 32, 15. *St. Farg. Hist. Nat. Ins.* iii. 465, 1.

HAB.—Britain.

### 2. CEROPALES VARIEGATA.

B. M.

- Evania variegata*, *Fab. Ent. Syst. Supp.* 241. *Panz. Faun. Germ.* 77, 10.
- Ceropales variegata*, *Latr. Hist. Nat.* xiii. 284, 2. *Fab. Syst. Piez.* 186, 2. *Van der Lind. Obs.* pt. 1, 347, 2. *Shuck. Foss. Hym.* 71, 2. *Curtis, Brit. Ent.* xvi. t. 756. *St. Farg. Hist. Nat. Ins.* iii. 466, 2, t. 33, f. 2. *Dahlb. Hym. Europ.* 31, 14.

HAB.—Devonshire, Parley Heath Hants, Weybridge.

## 3. APORUS.

- Aporus*, *Spin. Ins. Lig.* ii. 34, 1806.

### 1. APORUS BICOLOR.

B. M.

- Aporus bicolor*, *Spin. Ins. Lig.* ii. 34. *Latr. Gen. Crust. Ins.* iv. 64. *Van der Lind. Obs.* i. 80, 3. *Shuck. Foss. Hym.* 72, 1. *St. Farg. Hist. Nat. Ins.* iii. 388, 1. *Steph. Illust. Brit. Ent.* vii. *Mand. Supp.* xiii. t. 41, f. 1.

HAB.—Dorsetshire, and Weybridge Surrey.

## Fam. 4. SPHECIDÆ.

- Sphecidæ, *Leach, Samou. Compend.*  
 Sphegides, *Latr. Fam. Nat. Règ. An.*  
 Sphecites, *Newm. Ent. Mag.* ii.  
 Sphegidæ, *Westw. Int. Class. Ins.* ii.

## 1. AMMOPHILA.

- Sphex, pt., *Linn. Faun. Suec.* 411, 1761.  
 Pompilus, pt., *Ent. Syst. Supp.* 246, 1798.  
 Ammophila, *Kirby, Trans. Linn. Soc.* iv. 195, 1798.  
 Sphex and Pepsis, pt., *Fab. Syst. Piez.* 205, 207, 1804.  
 Psammophila, *Dahlb. Hym. Europ.* 16, 1843.

## 1. AMMOPHILA SABULOSA.

B. M.

- Sphex sabulosa, *Linn. Faun. Suec.* 1648. *Scop. Ins. Carn.* 770, f. 770. *Frisch. Ins.* ii. t. 1, f. 6, 7, 8. *De Geer*, ii. 822, 5, t. 28, f. 7. *Fab. Syst. Ent.* 346, 1. *Schrank, Ins. Aust.* 768. *Panz. Faun. Germ.* 65, 12. *Rossi, Faun. Etrus.* ii. 60, 808. *Christ. Hym.* 311, t. 31, f. 2. *Zett. Ins. Lapp.* 435, 1.  
 Ammophila vulgaris, *Kirby, Trans. Linn. Soc.* iv. 195, 1.  
 Ammophila sabulosa, *Van der Lind. Obs.* i. 85, 2. *Shuck. Foss. Hym.* 75, 1. *Dahlb. Hym. Europ.* 9, 10. *St. Farg. Hist. Nat. Ins.* iii. 376, 17.  
 HAB.—Britain, Sandy situations.

## 2. AMMOPHILA VIATICA.

B. M.

- Sphex viatica, *Linn. Faun. Suec.* 1651, and *Cab. Mus Linn. Soc.* *De Geer*, ii. 152, t. 28, f. 16. *Latr. Hist. Nat.* xiii. 293, 2.  
 Sphex hirsuta, *Scop. Ent. Carn.* 772, f. 772. *Schrank, Ins. Aust.* 769.  
 Sphex arenaria, *Fab. Mant.* i. 273, 2. *Rossi, Faun. Etrus.* ii. 60, 809. *Panz. Faun. Germ.* 65, 13. *Zett. Ins. Lapp.* 435, 2.  
 Pepsis arenaria, *Fab. Syst. Piez.* 207, 1. *Illig. Faun. Etrus.* (Rossi). ii. 92, 809.  
 Ammophila hirsuta, *Kirby, Trans. Linn. Soc.* iv. 195, 4. *Samou. Compend.* t. 8, f. 5. *Van der Lind.* pt. 1, 89, 6. *Shuck. Foss. Hym.* 77, 2. *St. Farg. Hist. Nat. Ins.* iii. 364, 1.  
 Psammophila viatica, *Dahlb. Hym. Europ.* 18, 12.  
 HAB.—Britain, Sandy spots.

## 3. AMMOPHILA LUTARIA.

*Sphex lutaria*, *Fab. Mant.* i. 273, 3, ♂.

*Pepsis lutaria*, *Fab. Syst. Piez.* 208, 2, ♂.

*Ammophila affinis*, *Kirby, Trans. Linn. Soc.* iv. 195, 2, ♂, ♀. *Van der Lind. Obs.* pt. 1, 87, 5. *Shuck. Foss. Hym.* 78, 3. *St. Farg. Hist. Nat. Ins.* iii. 369, 8.

*Psammophila affinis*, *Dahlb. Hym. Europ.* 16, 6, ♂, ♀.

HAB.—Little Hampton Sussex.

## 2. MISCUS.

*Miscus*, *Jurine, Hym.* 130, 1807.

*Ammophila*, *Latr. Gen. Crust. Ins.* iv. 54, 1809.

*Sphex*, *Zett. Ins. Lapp.* 436, 1840.

## 1. MISCUS CAMPESTRIS.

B. M.

*Ammophila campestris*, *Lat. Gen. Crust. Ins.* iv. 54. *St. Farg. Enc. Méth.* x. 453, 3. *Curtis, Brit. Ent.* xiii. t. 604.

*Miscus campestris*, *Van der Lind. Obs.* i. 93, 1. *Shuck. Foss. Hym.* 80, 1. *Dahlb. Hym. Europ.* 7, 9. *St. Farg. Hist. Nat. Ins.* iii. 386, 1, t. 30, f. 5. *Steph. Illust. Mand.* vii. *Supp.* 15, t. 41, f. 4.

*Sphex campestris*, *Zett. Ins. Lapp.* 436, 3.

HAB.—Dorsetshire, New Forest, Blackwater Hants, Weybridge, on sandy heaths.

## 3. SPHEX.

*Sphex*, pt., *Fab. Ent. Syst.* ii. 198, 1793.

*Pepsis*, pt., *Fab. Syst. Piez.* 207, 1804.

## 1. SPHEX FLAVIPENNIS.

*Sphex flavipennis*, *Fab. Ent. Syst.* ii. 201, 10. *Latr. Hist. Nat.* xiii. 293, 3. *Jurine, Hym.* t. 8. gen. 5, fam. 2. *Van der Lind.* pt. 1, 94, 1. *Shuck. Foss. Hym.* 83, 1. *St. Farg. Hist. Nat. Ins.* iii. 349, 23. *Steph. Illust. Mand.* vii. *Supp.* 14, t. 41, f. 3.

*Pepsis flavipennis*, *Fab. Syst. Piez.* 210, 13.

HAB.—Norfolk?

## 4. DOLICHURUS.

- Pompilus, *Spin. Ins. Lig.* ii. 52, 41, 1806.  
 Pison, *Lat. Gen. Crust. Ins.* iv. 58, 1809.  
 Dolichurus, *Latr. Gen. Crust. Ins.* iv. 387, 1809.

## 1. DOLICHURUS CORNICULUS.

B. M.

- Pompilus corniculus, *Spin. Ins. Lig.* ii. 52, 41.  
 Pison ater, *Latr. Gen. Crust. Ins.* iv. 58.  
 Dolichurus ater, *Latr. Gen. Crust. Ins.* iv. 387. *Van der Lind.*  
*Obs.* i. 95, 1. *Dahlb. Hym. Europ.* 57, 1.  
 Dolichurus corniculus, *St. Farg. Enc. Méth.* x. 450. *Shuck. Foss.*  
*Hym.* 85, 1. *Dahlb. Hym. Europ.* 29, 13. *Steph. Illust.*  
*Mand.* vii. *Supp.* 14, t. 42, f. 1.  
 Pompilus clavipes, *Dahlb. Mon. Pomp.* x. 14.  
 HAB.—Devonshire.

Fam. 5. LARRIDÆ, *Leach.*

## 1. LARRA.

- Sphex, pt., *Linn. Faun. Suec.* 411, 1761.  
 Larra, pt., *Fab. Ent. Syst.* ii. 220, 1793.  
 Pompilus, pt., *Fab. Syst. Piez.* 187, 1804.  
 Tachytes, *Panz. Krit. Rev.* ii. 1806.  
 Liris, *Illig. Faun. Etrus. (Rossi)*, 2 ed. 1807.  
 Lyrops, *Illig. Faun. Etrus. (Rossi)*, 2 ed. 1807.

## 1. LARRA ANATHEMA.

B. M.

- Sphex anathema, *Rossi, Faun. Etrus.* ii. 65, 822.  
 Larra ichneumoniformis, *Fab. Ent. Syst.* ii. 221, 4. *Panz. Faun.*  
*Germ.* 78, 18. *Coqueb. Illus. Icon.* ii. t. 12, f. 10.  
 Pompilus teutonius, *Fab. Syst. Piez.* 194, 34.  
 Liris anathema, *Van der Lind. Obs.* ii. 18, 1. *Shuck. Foss. Hym.*  
 87, 1. *Dahlb. Hym. Europ.* 136, 68.  
 Tachytes anathema, *St. Farg. Hist. Nat. Ins.* iii. 254, 17.  
 HAB.—Devonshire?

## 2. LARRA POMPILIFORMIS.

B. M

Larra pompiliformis, *Panz. Faun. Germ.* 89, 13. *Spin. Ins. Lig.* ii. 173, 18.

Larra dimidiata, *Panz. Faun. Germ.* 106, 13.

Larra Jockischiana, *Panz. Faun. Germ.* 106, 15.

Tachytes pompiliformis, *Van der Lind. Obs.* ii. 21, 5. *Shuck. Foss. Hym.* 89, 1. *St. Farg. Hist. Nat. Ins.* iii. 252, 15.

Tachytes pectinipes, *Dahlb. Hym. Europ.* 127, 63.

HAB.—Britain.

## 3. LARRA UNICOLOR.

B. M.

Larra unicolor, *Panz. Faun. Germ.* 106, 16.

Tachytes unicolor, *Shuck. Foss. Hym.* 90, 2. *Dahlb. Hym. Europ.* 129, 65. *St. Farg. Hist. Nat. Ins.* iii. 240, 1.

HAB.—Isle of Wight, Weybridge Surrey, and Sandhurst.

## 2. MISCOPHUS.

Miscophus, *Jurine, Hym.* 206, 1807.

Larra, pt., *Panz. Faun. Germ.* 106, 1808.

## 1. MISCOPHUS BICOLOR.

Miscophus bicolor, *Jurine, Hym.* 206, t. 11, gen. 25, ♀. *Latr. Gen. Crust. Ins.* iv. 72, ♀. *Guér. Dict. Class. Hist. Nat.* x. 632, ♀. *Van der Lind. Obs.* ii. 25, 1, ♀. *Shuck. Foss. Hym.* 92, 1, ♀. *Smith, Zool.* ii. 697, ♂, ♀. *Dahlb. Hym. Europ.* 235, 135, ♀. *St. Farg. Hist. Nat. Ins.* iii. 237, 1, t. 27, f. 6. *Steph. Illus. Mand. Supp.* vii. 12, t. 42, f. 3. ♀.

Larra dubia, *Panz. Faun. Germ.* 106, 14, ♀.

HAB.—Coombe Wood, and Weybridge Surrey, Sandy spots.

## 3. DINETUS.

Crabro, pt., *Fab. Ent. Syst.* ii. 293, 1793.

Sphex, pt., *Fab. Ent. Syst.* ii. 198, 1793.

Pompilus, pt., *Fab. Syst. Piez.* 187, 1804.

Larra, pt., *Latr. Hist. Nat.* xiii. 296, 1805.

## 1. DINETUS PICTUS.

B. M.

*Sphex guttata*, *Fab. Ent. Syst.* ii. 215, 72, ♂. ♀.

*Crabro pictus*, *Fab. Ent. Syst.* ii. 299, 20, ♂. *Panz. Faun. Germ.* 17, 19, ♂, 72, 10, ♀.

*Crabro ceraunius*, *Rossi, Mant. App.* 123, 11.

*Pompilus guttatus*, *Fab. Ent. Syst. Supp.* 252, 34, ♀. *Fab. Syst. Piez.* 196, 44, ♀.

*Larra picta*, *Latr. Hist. Nat.* xiii. 296, ♂. *Spin. Ins. Lig.* i. 73, 4, ♂.

*Dinetus pictus*, *Jurine, Hym.* 209, t. 11, gen. 26, ♀. *Latr. Gen. Crust. Ins.* iv. 73, ♂, ♀. *Guér. Dict. Class. Hist. Nat.* ix. 496. *Shuck. Foss. Hym.* 94, 1. *Dahlb. Hym. Europ.* 232, 134. *St. Farg. Hist. Nat. Ins.* iii. 234, 1, t. 27, f. 5, ♂. *Guér. Icon. Règ. An.* t. 70, f. 10. *Steph. Illust. Mand.* vii. *Supp.* 12, t. 42, f. 3.

HAB.—Windsor and Sandhurst.

## 4. ASTATA.

*Sphex*, pt., *Schrank, Ins. Aust.* 777, 1781.

*Astata*, *Latr. Préc. Car. Ins.* 1796.

*Dimorpha*, *Jurine, Hym.* 146, 1807.

## 1. ASTATA BOOPS.

B. M.

*Sphex boops*, *Schrank, Ins. Aust.* 777. *Rossi, Mant.* i. 128, 284.

*Tiphia abdominalis*, *Panz. Faun. Germ.* 53, 5.

*Larra pompiliformis*, *Don. Brit. Ins.* xii. 73, 420.

*Astata abdominalis*, *Latr. Hist. Nat.* xiii. 297, 1.

*Astata boops*, *Van der Lind. Obs.* ii. 27, 1. *Shuck. Foss. Hym.* 97,

1. *Dahlb. Hym. Europ.* 140, 72. *St. Farg. Hist. Nat. Ins.*

iii. 256, 1, t. 21, f. 2. *Guér. Icon. Règ. An. Ins.* t. 71, 1.

*Astata victor*, *Curtis, Brit. Ent.* vi. t. 261.

HAB.—Coombe Wood, Hawley, Hampstead Heaths.

## 2. ASTATA STIGMA.

*Dimorpha stigma*, *Panz. Faun. Germ.* 107, 13.

*Larra pinguis*, *Zett. Ins. Lapp.* 436, 1?

*Astata stigma*, *Van der Lind. Obs.* ii. 29, 4. *Dahlb. Hym. Europ.* 139, 69.

*Astata jaculator*, *Smith, Zool.* iv. 1157?

HAB.—Weybridge Surrey.

Fam. 6. NYSSONIDÆ, *Leach*.

## 1. NYSSON.

Crabro, pt., *Fab. Syst. Ent.* 373, 1775.  
 Nysson, *Latr. Préc. Car. Gen.* xiii. 1796.  
 Ceropales, pt., *Fab. Syst. Piez.* 185. ? 1804.

## 1. NYSSON SPINOSUS.

B. M.

Crabro spinosus, *Fab. Syst. Ent.* 373, 2. *Rossi, Mant.* i. 139, 308.  
*Panz. Faun. Germ.* 62, 15.  
 Mellinus interruptus, *Panz.* 72, 13.  
 Ceropales spinosa, *Fab. Syst. Piez.* 186, 5.  
 Nysson spinosus, *Latr. Hist. Nat.* xiii. 305. *Oliv. Enc. Méth.* viii.  
 804. *Van der Lind. Obs.* pt. 2, 30, 1. *Shuck. Foss. Hym.*  
 100, 1. *Dahlb. Hym. Europ.* 169, 100.  
 Nysson Pangeri, *St. Farg. Hist. Nat. Ins.* iii. 53, 7.

HAB.—Britain, Woods and hedgerows.

## 2. NYSSON INTERRUPTUS.

B. M.

Nysson interruptus, *Latr. Hist. Nat.* xiii. 306, 3. *Shuck. Foss.*  
*Hym.* 101, 2. *Dahlb. Hym. Europ.* 170, 102. *St. Farg.*  
*Hist. Nat. Ins.* iii. 45, 1. ?

HAB.—Britain.

## 3. NYSSON TRIMACULATUS.

B. M.

Crabro trimaculatus, *Rossi, Faun, Etrus.* ii. 95, 892.  
 Nysson maculatus, *Illig. Rossi, Faun. Etrus.* ii. 156, 892.  
 Nysson nigripes, *Spin. Ins. Lig.* ii. 45, 38, ♂. *St. Farg. Hist.*  
*Nat. Ins.* iii. 46, 2.  
 Nysson interruptus, *Oliv. Enc. Méth.* viii. 408, 2.  
 Nysson trimaculatus, *Van der Lind. Obs.* ii. 30, 2. *Shuck. Foss.*  
*Hym.* 102, 3. *Dahlb. Hym. Europ.* 169, 101.

HAB.—Highgate, Battersea.

## 4. NYSSON GUTTATUS.

B. M.

Nysson guttatus, *Oliv. Enc. Méth.* viii. 409, 7. *Shuck. Foss. Hym.*  
 103, 4.

HAB.—Devon.

## 5. NYSSON DIMIDIATUS.

Nysson dimidiatus, *Jurine, Hym. t. 10, Gen. 22. Oliv. Enc. Méth.* viii. 409, 9. *Van der Lind. Obs. ii. 33, 6. Shuck. Foss. Hym.* 104, 5. *Dahlb. Hym. Europ. 171, 105. St. Farg. Hist. Nat. Ins. iii. 49, 5.*

HAB.—Hampstead and Weybridge.

## 2. OXYBELUS.

Vespa, pt., *Linn. Syst. Nat. i. 948, 1766.*

Crabro, pt., *Fab. Ent. Syst. ii. 293, 1793.*

Oxybelus, *Latr. Hist. Nat. xiii. 1805.*

## 1. OXYBELUS UNIGLUMIS.

B. M.

Vespa uniglumis, *Linn. Syst. Nat. i. 951, 18. Christ. Hym. 246.*

Crabro uniglumis, *Fab. Syst. Ent. 376, 12. Rossi, Faun. Etrus. ii. 92, 884. Oliv. Enc. Méth. vi. 518, 34.*

Oxybelus uniglumis, *Latr. Hist. Nat. xiii. 307, 2. Fab. Syst. Piez. 316, 2. Oliv. Enc. Méth. viii. 595, 8. Van der Lind. ii. 35, 5. Shuck. Foss. Hym. 107, 1. Zett. Ins. Lapp. 446, 1. Dahlb. Hym. Europ. 273, 172. St. Farg. Hist. Nat. Ins. iii. 221, 13.*

HAB.—Britain.

## 2. OXYBELUS FEROX.

Oxybelus ferox, *Shuck. Foss. Hym. 108, 2.*

Oxybelus mucronatus, *Dahlb. Hym. Europ. 265, 162?*

HAB.—London district.

## 3. OXYBELUS NIGRIPES.

B. M.

Oxybelus nigripes, *Oliv. Enc. Méth. viii. 596, 12. Shuck. Foss. Hym. 109, 3. St. Farg. Hist. Nat. Ins. iii. 217, 7.*

Oxybelus trispinosus, *Dahlb. Hym. Europ. 270, 169?*

HAB.—South Devon, near Spitchwick Park.



## 4. OXYBELUS BELLICOSUS. B. M.

*Oxybelus bellicosus*, *Oliv. Enc. Méth.* viii. 595, 9. *Shuck. Foss. Hym.* 110, 4. *Dahlb. Hym. Europ.* 269, 167? *St. Farg. Hist. Nat. Ins.* iii. 217, 8, t. 27, f. 2.

HAB.—Locality not known.

## 5. OXYBELUS ARGENTATUS. B. M.

*Oxybelus argentatus*, *Curtis, Brit. Ent.* x. t. 480. *Shuck. Foss. Hym.* 111, 5.

HAB.—Liverpool, Biddeford, Devon.

## 6. OXYBELUS 14-GUTTATUS. B. M.

*Oxybelus 14-guttatus*, *Oliv. Enc. Méth.* viii. 596, 13. *Shuck. Foss. Hym.* 112, 6.

HAB.—Locality not known.

## 7. OXYBELUS NIGRICORNIS. B. M.

*Oxybelus nigricornis*, *Shuck. Foss. Hym.* 112, 7.

HAB.—Locality not known.

## 8. OXYBELUS NIGROÆNEUS. B. M.

*Oxybelus nigroæneus*, *Shuck. Foss. Hym.* 113, 8.

HAB.—Locality not known.

Fam. 7. CRABRONIDÆ, *Leach.*

## 1. TRYPOXYLON.

*Sphex*, pt., *Linn. Syst. Nat.* i. 941, 1766.

*Trypoxylon*, *Latr. Préc. Car. Ins.* 1796.

*Apius*, *Jurine, Hym.* 140, 1807.

## 1. TRYPOXYLON FIGULUS. B. M.

*Sphex figulus*, *Linn. Syst. Nat.* i. 942, 11, 1. *Cab. Mus. Linn. Soc. Fab. Ent. Syst.* ii. 203, 19. *Schrank, Faun. Boic.* ii. 322, 2160. *Christ. Hym.* 291.

*Sphex fuliginosa*, Scop. *Ent. Carn.* 771. *Rossi, Faun. Etrus.* 63, 817.

*Sphex leucostoma*, Schrank, *Ins. Aust.* 771.

*Trypoxylon figulus*, Latr. *Hist. Nat.* 13, 330. *Fab. Syst. Piez.* 181, 2. *Spin. Ins. Lig.* i. 65, 1. *Van der Lind. Obs.* ii. 40, 1. *Shuck. Foss. Hym.* 115, 1. *Zett. Ins. Lapp.* 445, 1. *Dahlb. Hym. Europ.* 280, 176. *Guér. Icon. Règ. An.* t. 71, f. 3. *St. Farg. Hist. Nat. Ins.* iii. 228, 2.

*Apius figulus*, Jurine, *Hym.* 140, t. 9, gen. 8.

HAB.—Britain, decaying wood, and sand-banks.

## 2. TRYPOXYLON CLAVICERUM.

B. M.

*Trypoxylon clavicerum*, *St. Farg. Encyc. Méth.* x. 750, 1. *Shuck. Foss. Hym.* 118, 3. *Zett. Ins. Lapp. Obs.* 446. *Dahlb. Hym. Europ.* 279, 175.

HAB.—Hampstead, Camberwell, Darenth Wood.

## 2. CRABRO.

*Sphex*, pt., *Linn. Faun. Suec.* 411, 1761.

*Vespa*, pt., *Linn. Faun. Suec.* 415, 1761.

*Crabro*, pt., *Fab. Ent. Syst.* 293, 1793.

*Apis*, *Schreb. Natur. Fas.* 15, 1780.

*Pemphredon*, pt., *Fab. Syst. Piez.* 314, 1804.

*Rhopalum*, Kirby, *Steph. Syst. Cat.* 366, 1829.

*Solenius*, *Blepharipus*, *Ceratocalus*, *Thyreopus*, *Crossocerus*, *Lindenius*, *Corynopus*, and *Physoscelis*, *St. Farg. Ann. Soc. Ent. Fr.* 3, and *Hist. Nat. Ins.* 3, 1832.

*Entomognathus*, *Dahlb. Hym. Europ.* 295, 1834.

### 1. CRABRO CLAVIPES.

B. M.

*Sphex clavipes*, *Linn. Syst. Nat.* i. 942, 8, and *Cab. Mus. Linn. Soc.* ♂.

*Crabro crassipes*, *Fab. Ent. Syst. Supp.* 270, 26—7, ♂.

*Pemphredon crassipes*, *Fab. Syst. Piez.* 315, 3, ♂.

*Crabro rufiventris*, *Panz. Faun. Germ.* 72, 12. *Van der Lind. Obs.* pt. 2, 72, 34. *Shuck. Foss. Hym.* 178, 35.

*Physoscelis rufiventris*, *St. Farg. Hist. Nat. Ins.* iii. 207, 1.

*Rhopalum clavipes*, *Dahlb. Hym. Europ.* 291, 178.

HAB.—Britain, decaying wood.

## 2. CRABRO TIBIALIS.

*Crabro tibialis*, *Fab. Ent. Syst. Supp.* 271, 27—28. *Panz. Faun. Germ.* 83, 14. *Van der Lind. Obs.* pt. 2, 73, 35. *Shuck. Foss. Hym.* 177, 34.

*Pemphredon tibialis*, *Fab. Syst. Piez.* 315, 4.

*Coryuopus tibialis*, *St. Farg. Hist. Nat. Ins.* iii. 205, 1.

*Rhopalum tibiale*, *Dahlb. Hym. Europ.* 288, 177. *Curtis, Brit. Ent.* 14, t. 656.

HAB.—Britain.

## 3. CRABRO DIMIDIATUS.

B. M.

*Crabro dimidiatus*, *Fab. Ent. Syst.* ii. 298, 19. *Oliv. Enc. Méth.* vi. 516, 24. *Van der Lind. Obs.* ii. 58, 20. *Shuck. Foss. Hym.* 151, 14. *Dahlb. Hym. Europ.* 345, 228.

*Crabro signatus*, *Panz. Faun. Germ.* 43, 15, ♀.

*Blepharipus signatus*, *St. Farg. Hist. Nat. Ins.* iii. 136, 4.

*Blepharipus pauperatus*, *St. Farg. Hist. Nat. Ins.* iii. 138, 5?

HAB.—Scotland and North of England, Isle of Wight and Weybridge.

## 4. CRABRO PATELLATUS.

B. M.

*Crabro patellatus*, *Panz. Faun. Germ.* 46, 4, ♂, and 46—9, ♀? *Van der Lind. Obs.* ii. 43, 3. *Shuck. Foss. Hym.* 128, 2.

*Crabro clypeatus*, *Fab. Ent. Syst.* ii. 297, 15, and *Cab. Banks. Mus. Linn. Soc.* *Dahlb. Hym. Europ.* 356, 232.

*Thyreopus patellatus*, *St. Farg. Hist. Nat. Ins.* iii. 161, 3.

HAB.—Britain, sandy districts.

## 5. CRABRO CRIBRARIUS.

B. M.

*Vespa cribraria*, *Linn. Faun. Suec.* 1675, and *Cab. Mus. Linn. Soc.* ♂.

*Sphex cribraria*, *Linn. Syst. Nat.* i. 945, 23, ♂. *Sulz. Gesch. Ins.* t. 27, f. 6, ♂. *Schrank, Ins. Aust.* 384, 779, ♂. *Christ. Hym.* 281, t. 27. f. 1, ♂.

*Guêpe ichneumon*, *De Geer*, ii. 810, 2, t. 28, f. 1—5, ♂.

*Sphex patellaria*, *Schreb. Naturf.* 20, 95. 1.

*Crabro cribrarius*, *Fab. Ent. Syst.* ii. 297, 14, ♂. *Panz. Faun. Germ.* 15, 18, ♂, and 15, 19, ♀. *Latr. Hist. Nat.* xiii. 323, 1, ♂. *Dum. Cons. Gén.* t. 31, f. 3. *Van der Lind. Obs.* ii. 40, 1, ♂, ♀. *Shuck. Foss. Hym.* 126, 1. *Zett. Ins. Lapp.* 444, 7. *Dahlb. Hym. Europ.* 353, 231.

*Thyreopus cribrarius*, *St. Farg. Hist. Nat. Ins.* iii. 158, 1.

HAB.—Britain, sandy spots.

6. CRABRO SCUTATUS.

B. M.

*Crabro scutatus*, *Fab. Ent. Syst.* ii. 298, 16, ♂. *Panz. Faun. Germ.* 15, 22. *Oliv. Enc. Méth.* vi. 515, 17. *Van der Lind. Obs.* pt. 2, 44, 5, ♂. *Shuck. Foss. Hym.* 129, 3, ♂, ♀. *Dahlb. Hym. Europ.* 329, 216.

*Sphex palmaria*, *Schreb. Naturfor.* xx. 100, 6, t. 2, f. 9, a, b, ♂.

*Crossocerus scutatus*, *St. Farg. Hist. Nat. Ins.* iii. 168, 1, ♂.

Birch Wood Kent, and Hawley Hants.

7. CRABRO CETRATUS.

B. M.

*Crabro cetratus*, *Shuck. Foss. Hym.* 131, 4. *Dahlb. Hym. Europ.* 337, 221.

*Crabro Vanderlindeni*, *Dahlb. Exam. Crabr.* 32, 6, t. 2. *Crabro*, A. 2.

HAB.—London district and Bristol.

8. CRABRO CLYPEATUS.

B. M.

*Sphex clypeata*, *Linn. Syst. Nat.* i. 945, 24, and *Cab. Mus. Linn. Soc.* ♂. *Schrank, Ins. Aust.* 386, 780, ♂. *Christ.* 283, t. 27, f. 5.

*Crabro clypeatus*, *Fab. Mant.* i. 296, 14, ♂. *Rossi, Faun. Etrus.* ii. 90, 880, ♂. *Oliv. Enc. Meth.* vi. 515, 16, ♂. *Latr. Hist. Nat.* xiii. 323, 2, ♂.

*Crabro vexillatus*, *Panz. Faun. Germ.* 46, 5, ♂. *Illig. Faun. Etrus. (Rossi)*, ii. 149, ♂. *Van der Lind. Obs.* ii. 45, 6, ♂. *Shuck. Foss. Hym.* 132, 5, ♂. *Dahlb. Hym. Europ.* 375, 242, ♂.

*Crabro lapidarius*, *Fab. Syst. Piez.* 309, 6, ♀ ?

*Thyreus vexillatus*, *St. Farg. Ann. Soc. Ent. Fr.* iii. 762, 1, ♂.

*Solenius lapidarius*, *St. Farg. Hist. Nat. Ins.* iii. 117, 1, ♀?  
*Thyreopus clypeata*, *St. Farg. Hist. Nat. Ins.* iii. 164, 4, t. 26,  
 f. 7, ♂.

Weybridge Surrey, Devon?

9. CRABRO TARSATUS.

B. M.

*Crabro tarsatus*, *Shuck. Foss. Hym.* 133, 6.  
*Crabro punctum*, *Zett. Ins. Lapp.* 445, 11.  
*Crabro palmipes*, *Dahlb. Hym. Europ.* 332, 217.

HAB.—Highgate.

10. CRABRO SEXCINCTUS.

B. M.

*Crabro sexcinctus*, *Fab. Ent. Syst.* ii. 295, 9, ♂. *Oliv. Enc. Méth.*  
 vi. 513, 11, ♂. *Panz. Faun. Germ.* 64, 13, ♂. *Van der Lind.*  
*Obs.* pt. 2, 145, 13, ♂, ♀. *Shuck. Foss. Hym.* 137, 8, var. ♂.  
*St. Farg. Hist. Nat. Ins.* iii. 100, 1.

*Crabro cephalotes*, *Fab. Syst. Piez.* 308, 5, ♀. *Panz. Faun.*  
*Germ.* 62, 16, ♀? *Van der Lind.* pt. 2, 55, 13, ♂, ♀. *Shuck.*  
*Foss. Hym.* 135, 7. *Dahlb. Hym. Europ.* 408, 273. *St. Farg.*  
*Hist. Nat. Ins.* iii. 100, 1. *Guér. Icon. Règ. An.* t. 71, f. 5.

*Crabro sinuatus*, *Fab. Syst. Piez.* 310, 12?

HAB.—Britain, sandy situations.

11. CRABRO LAPIDARIUS, *Smith. See Appendix.*

11. CRABRO XYLURGUS.

B. M.

*Crabro fossorius*, *Van der Lind. Obs.* ii. 51, 10. (not *Linn.*)

*Crabro xylurgus*, *Shuck. Foss. Hym.* 139, 9.

*Crabro Lapidarius*, *Dahlb. Exam. Crabro.* 91, 25.

HAB.—Britain, decaying wood.

12. CRABRO LINDENIUS.

B. M.

*Crabro Lindenius*, *Shuck. Foss. Hym.* 143, 10.

*Crabro Cephalotes*, *Panz. Faun. Germ.* 62, 16?

*Crabro interruptus*, *Dahlb. Hym. Europ.* 118, 275.

*Ceratocolus striatus*, *St. Farg. Hist. Nat. Ins.* iii. 149, 4.

HAB.—Hampstead, Plumstead Wood Kent.

## 13. CRABRO VAGUS.

B. M.

Crabro vagus, *Fab. Syst. Ent.* 375, 8 (not Linn.), and *Syst. Piez.* 313, 22. *Rossi, Faun. Etrus.* ii. 91, 881 (exclus. synonym.). *Panz. Faun. Germ.* 46, 10. *Oliv. Enc. Méth.* vi. 515, 18. *Schrank, Faun. Boic.* ii. 338, 2188. *Latr. Hist. Nat.* xiii, 324, 4. *Van der Lind. Obs.* ii. 57, 16. *Shuck. Foss. Hym.* 145, 11. *Zett. Ins. Lapp.* 442, 2. *Dahlb. Hym. Europ.* 392, 268.

*Solenius vagus, St. Farg. Hist. Nat. Ins.* iii. 126, 9.

HAB.—Britain, decaying willows, &c.

## 14. CRABRO SUBPUNCTATUS.

B. M.

2 Crabro 4-maculatus, *Fab. Ent. Syst.* ii. 294, 4, ♂.

/ Crabro subpunctatus, *Rossi, Faun. Etrus.* ii. 95, 891, ♀. *Van der Lind. Obs.* pt. 2, 58, 19, ♂, ♀. *Shuck. Foss. Hym.* 147, 12. *Dahlb. Hym. Europ.* 349, 229.

Crabro murorum, *Latr. Hist. Nat.* xiii. 324, 5, ♀.

Crossocerus subpunctatus, *St. Farg. Hist. Nat. Ins.* iii. 170, 3, t. 26, f. 8.

HAB.—Britain, decaying wood.

## 15. CRABRO VAGABUNDUS.

B. M.

Crabro vagabundus, *Panz. Faun. Germ.* 53, 16, ♂. *Van der Lind. Obs.* ii. 57, 18. *Shuck. Foss. Hym.* 149, 13.

Crabro subpunctatus (var.), *Dahlb. Hym. Europ.* 349, 229.

HAB.—Darenth, Highgate, &c.

## 16. CRABRO INTERSTINCTUS.

Crabro interstinctus, *Smith, Zoologist*, ix. App. 126.

HAB.—Weybridge.

## 17. CRABRO LEUCOSTOMA.

B. M.

*Sphex leucostoma, Linn. Faun. Suec.* 1663.

Crabro leucostoma, *Fab. Mant.* i. 297, 27. *Rossi, Faun. Etrus.* ii. 91, 882. *Christ.* 262. *Oliv. Enc. Méth.* vi. 518, 35. *Van der Lind. Obs.* ii. 61, 24. *Shuck. Foss. Hym.* 153, 15. *Zett. Ins. Lapp.* 444, 9. *Dahlb. Hym. Europ.* 341, 223.

*Pemphredon leucostoma*, *Fab. Syst. Piez.* 314, 1.

*Crabro bidens*, *Halid. Ent. Mag.* i. 516, ♂.

*Crossocerus leucostoma*, *St. Farg. Hist. Nat. Ins.* iii. 180, 13.

HAB.—Britain, decaying wood.

#### 18. CRABRO ELONGATULUS.

*Crabro elongatulus*, *Van der Lind. Obs.* ii. 62, 25, ♂. *Shuck.*

*Foss. Hym.* 154, 16, ♂. *Dahlb. Hym. Europ.* 315, 196, ♂, ♀.

*Crabro hyalinus*, *Shuck. Foss. Hym.* 161, 21, ♀?

*Crabro albilabris*, *Zett. Ins. Lapp.* n. 445, 10? ♀.

*Crossocerus elongatus*, *St. Farg. Hist. Nat. Ins.* iii. 193, 27, ♂, ♀.

HAB.—London district.

#### 19. CRABRO LUTEIPALPIS.

B. M.

*Crossocerus luteipalpis*, *St. Farg. Ann. Soc. Ent. Fr.* iii. 785, 23.

*Crabro luteipalpis*, *Shuck. Foss. Hym.* 155, 17.

*Crabro elongatulus*, *Dahlb. Hym. Europ.* ♂ (var.).

HAB.—London district

#### 20. CRABRO PROXIMUS.

*Crabro proximus*, *Shuck. Foss. Hym.* 156, 18.

*Crabro elongatulus*, *Dahlb. Hym. Europ.* 315, 196, ♀?

HAB.—Not known.

#### 21. CRABRO PODAGRICUS.

*Crabro podagricus*, *Van der Lind. Obs.* ii. 60, 23. *Shuck. Foss.*

*Hym.* 157, 19. *Dahlb. Hym. Europ.* 339, 222.

*Crabro carbonarius*, *Dahlb. Exam. Crabr.* 34, 7?

*Crossocerus podagricus*, *St. Farg. Hist. Nat. Ins.* iii. 189, 23.

HAB.—London district.

#### 22. CRABRO CAPITOSUS.

B. M.

*Crabro capitosus*, *Shuck. Foss. Hym.* 159, 20. *Dahlb. Hym.*

*Europ.* 317, 198.

*Crabro annulus*, *Dahlb. Exam. Crabr.* 40, 10?

HAB.—Birch Wood Kent.

## 23. CRABRO HYALINUS.

Crabro hyalinus, *Shuck. Foss. Hym.* 161, 21.

Crabro elongatulus, *Dahlb. Hym. Europ.* 315, 196, ♀ ?

HAB.—Not known.

## 24. CRABRO TRANSVERSALIS.

Crabro transversalis, *Shuck. Foss. Hym.* 162, 22. *Dahlb. Hym. Europ.* 317, 197.

HAB.—Not known.

## 25. CRABRO SPINIPECTUS.

B. M.

Crabro spinipectus, *Shuck. Foss. Hym.* 163, 23. *Dahlb. Hym. Europ.* 327, 215.

HAB.—London district.

## 26. CRABRO WESMAELI.

Crabro Wesmaeli, *Van der Lind. Obs.* ii. 63, 26. *Shuck. Foss. Hym.* 164, 24. *Dahlb. Hym. Europ.* 312, 192.

*Crossocerus Wesmaeli*, *St. Farg. Hist. Nat. Ins.* iii. 186, 19.

HAB.—Charlton, Kent, also in Scotland.

## 27. CRABRO PUBESCENS.

Crabro pubescens, *Shuck. Foss. Hym.* 165, 25. *Dahlb. Hym. Europ.* 311, 191.

HAB.—Not known.

## 28. CRABRO OBLIQUUS.

B. M.

Crabro obliquus, *Shuck. Foss. Hym.* 167, 26. *Dahlb. Hym. Europ.* 315, 195.

HAB.—London district.



## 29. CRABRO PALLIDIPALPIS.

B. M.

*Crossocerus pallidipalpis*, *St. Farg. Ann. Ent. Soc. Fr.* iii. 779, 15.

*Crabro propinquus*, *Shuck. Foss. Hym.* 168, 27.

*Crabro pallidipalpis*, *Dahlb. Hym. Europ.* 314, 194.

HAB.—London district.

## 30. CRABRO BIMACULATUS.

*Crossocerus bimaculatus*, *St. Farg. Ann. Ent. Soc. Fr.* iii. 788, 25.

*Crabro bimaculatus*, *Dahlb. Hym. Europ.* 310, 190.

*Crabro geniculatus*, *Shuck. Foss. Hym.* 169, 28.

HAB.—Ripley, Surrey.

## 31. CRABRO WALKERI.

*Crabro Walkeri*, *Shuck. Foss. Hym.* 170, 29.

*Crossocerus Aphidium*, *St. Farg. Ann. Ent. Soc. Fr.* iii. 789, 26?

*Crabro Aphidium*, *Dahlb. Hym. Europ.* 308, 189?

HAB.—Scotland.

32. CRABRO SCUTELLARIS, *Smith.* See *Appendix.*

## 32. CRABRO ALBILABRIS.

B. M.

*Crabro albilabris*, *Fab. Ent. Syst.* ii. 302, 31. *Van der Lind. Obs.* ii. 55, 28. *Shuck. Foss. Hym.* 171, 30. *Zett. Ins. Lapp.* 444, 9.

*Crabro leucostoma*, *Panz. Faun. Germ.* 15, 24.

*Pemphredon albilabris*, *Fab. Piez.* 316, 8.

*Lindenius albilabris*, *St. Farg. Ann. Ent. Soc. Fr.* iii. 795, 4. *Dahlb. Hym. Europ.* 300, 182.

HAB.—Britain.

## 33. CRABRO PANZERI.

B. M.

*Crabro Panzeri*, *Van der Lind. Obs.* ii. 67, 29. *Shuck. Foss. Hym.* 173, 31.

*Lindenius Panzeri*, *St. Farg. Ann. Ent. Soc. Fr.* iii. 798, 8. *Dahlb. Hym. Europ.* 302, 183.

HAB.—Battersea, Darenth and Birch Woods, Isle of Wight.

## 34. CRABRO EXIGUUS.

Crabro exiguus, *Van der Lind. Obs.* ii. 72, 33. *Shuck. Foss. Hym.* 174, 32. *Dahlb. Hym. Europ.* 326, 214.

Crossocerus exiguus, *St. Farg. Ann. Soc. Ent. Fr.* iii. 791, 30.

HAB.—London district, Sand-banks.

## 35. CRABRO BREVIS.

B. M.

Crabro brevis, *Van der Lind. Obs.* ii. 70, 32. *Shuck. Foss. Hym.* 175, 33.

Lindenius brevis, *St. Farg. Ann. Soc. Ent. Fr.* iii. 800, 10.

Entomognathus brevis, *Dahlb. Hym. Europ.* 295, 179.

HAB.—Britain, Sand-banks.

## 3. STIGMUS.

Stigmus, *Jurine, Hym.* 139, 1807.

## 1. STIGMUS PENDULUS.

B. M.

Stigmus pendulus, *Panz. Faun. Germ.* 14, 7. *Van der Lind. Obs.* ii. 74, 1. *Shuck. Foss. Hym.* 181, 1. *Dahlb. Hym. Europ.* 239, 141. *St. Farg. Hist. Nat. Ins.* 98, 1, t. 26, f. 4.

Stigmus ater, *Jurine, Hym.* 138, t. 9, gen. 7. *St. Farg. Enc. Méth.* x. 493.

HAB.—London district, Bramble-sticks, &c.

## 4. SPILOMENA.

Stigmus, *Van der Lind. Obs.* ii. 74, 1829.

Celia, *Shuck. Foss. Hym.* 182 (1837). *Celia, Coleopt. Zimm.* 1832.

Spilomena, *Shuck. Trans. Ent. Soc.* ii. 79, 1835.

## 1. SPILOMENA TROGLODYTES.

B. M.

Stigmus troglodytes, *Van der Lind. Obs.* ii. 74, 2. *St. Farg. Hist. Nat. Ins.* iii. 99, 2.

Celia troglodytes, *Shuck. Foss. Hym.* 182, 1. *Dahlb. Hym. Europ.* 238, 139.

HAB.—London district.

## 5. DIODONTUS.

- Crabro, pt., *Fab. Ent. Syst.* ii. 293, 1793.  
 Pemphredon, pt., *Fab. Syst. Piez.* 314, 1804.  
 Stigmus, *Latr. Gen. Crust. Ins.* iv. 84, 1806.  
 Cemonus, *Jurine, Hym.* 214, 1807.  
 Diodontus, *Curtis, Brit. Ent.* ii. 496, 1836.

## 1. DIODONTUS MINUTUS.

B. M.

- Crabro minutus, *Fab. Ent. Syst.* ii. 302, 32.  
 Pemphredon minutus, *Fab. Syst. Piez.* 316, 9. *Van der Lind.*  
*Obs.* ii. 78, 2. *St. Farg. Hist. Nat. Ins.* iii. 96, 2.  
 Sphex pallipes, *Panz. Faun. Germ.* 52, 22?  
 Cemonus minutus, *Jurine, Hym.* 214.  
 Stigmus minutus, *Latr. Gen. Crust. Ins.* iv. 84.  
 Diodontus minutus, *Curtis, Brit. Ent.* xi. 496 (not fig.) *Shuck. Foss.*  
*Hym.* 185, 1. *Dahlb. Hym. Europ.* 252, 152.

HAB.—Britain, Bramble-sticks, &amp;c.

## 2. DIODONTUS LUPERUS.

- Diodontus luperus, *Shuck. Foss. Hym.* 186, 2. *Dahlb. Hym.*  
*Europ.* 254, 153.

HAB.—Britain.

## 3. DIODONTUS TRISTIS.

- Pemphredon tristis, *Van der Lind. Obs.* ii. 76, 1.  
 Diodontus tristis, *Shuck. Foss. Hym.* 187, 3.  
 Pemphredon pallipes, *Dahlb. Hym. Europ.* 250, 151. *St. Farg.*  
*Hist. Nat. Ins.* iii. 95, 1.

HAB.—Britain.

## 6. PASSALÆCUS.

- Pemphredon, *Van der Lind. Obs.* ii. 79, 1829.  
 Diodontus, *Curtis, Brit. Ent.* xi. 496, 1835.  
 Xylæcus, *Shuck. Foss. Hym. Conspec. Gen.* 1837.  
 Passalæcus, *Shuck. Foss. Hym.* 188, 1837.

## 1. PASSALÆCUS INSIGNIS.

B. M.

*Pemphredon insignis*, *Van der Lind. Obs.* ii. 79, 3, ♀. *St. Farg. Hist. Nat. Ins.* iii. 96, 3.

*Diodontus insignis*, *Curtis, Brit. Ent.* xi. 497.

*Passalæcus insignis*, *Shuck. Foss. Hym.* 189, 1.

*Passalæcus cornigera*, ♂, *Dahlb. Hym. Europ.* 245, 145.

*Passalæcus gracilis*, *Dahlb. Hym. Europ.* 242, 142, ♂, ♀, var. ♂ ?

HAB.—In thatch of cottages, &c.

## 2. PASSALÆCUS GRACILIS.

*Diodontus gracilis*, *Curtis, Brit. Ent.* xi. t. 496.

*Passalæcus gracilis*, *Shuck. Foss. Hym.* 190, 2.

HAB.—Britain.

## 3. PASSALÆCUS CORNIGER.

B. M.

*Passalæcus cornigera*, *Shuck. Foss. Hym.* 191, 3. *Dahlb. Hym. Europ.* 245, 145, ♀.

HAB.—Britain.

## 7. PEMPHREDON.

*Crabro*, pt., *Fab. Ent. Syst.* ii. 293, 1793.

*Sphex*, *Panz. Faun. Germ.* 52, 1805.

*Pemphredon*, *Latr. Hist. Nat.* xiii. 1805.

*Cemonus*, *Jurine, Hym.* 214, 1807.

## 1. PEMPHREDON LUGUBRIS.

B. M.

*Crabro lugubris*, *Fab. Ent. Syst.* ii. 302, 30.

*Sphex unicolor*, *Panz. Faun. Germ.* 52, 24.

*Cemonus unicolor*, *Panz. Krit. Revis.* ii. 187? *Jurine, Hym.* t. 11, gen. 28.

*Pemphredon lugubris*, *Latr. Hist. Nat.* xiii. 325. *Fab. Syst. Piez.* 315, 2. *St. Farg. Enc. Méth.* x. 48, 1. *Van der Lind. Obs.* ii. 80, 4. *Shuck. Foss. Hym.* 196, 1. *Zett. Ins. Lapp.* 441, 1. *Dahlb. Hym. Europ.* 259, 159.

*Cemonus lugubris*, *Jurine, Hym.* 214. *St. Farg. Hist. Nat. Ins.* iii. 94, 1.

HAB.—Britain, Decayed wood.

## 2. PEMPHREDON LUCTUOSUS.

*Pemphredon luctuosus*, *Shuck. Foss. Hym.* 197, 2. *Dahlb. Hym. Europ.* 258, 158.

HAB.—London district.

3. PEMPHREDON, *Smith.* See *Appendix.*

## 8. CERATOPHORUS.

*Pemphredon*, *Van der Lind. Obs.* ii. 82, 1829.

*Ceratophorus*, *Shuck. Foss. Hym.* 198, 1837.

## 1. CERATOPHORUS MORIO.

B. M.

*Pemphredon morio*, *Van der Lind. Obs.* ii. 82, 5. *Shuck. Foss. Hym.* 198, 3.

*Ceratophorus morio*, *Shuck. Foss. Hym.* 198 (note). *Dahlb. Hym. Europ.* 256, 157.

HAB.—London district.

## 2. CERATOPHORUS ANTHRACINUS.

*Ceratophorus anthracinus*, *Smith, Zool. App.* ix. 126.

HAB.—Devonshire.

## 9. CEMONUS.

*Pemphredon*, *Latr. Gen. Crust. Ins.* iv. 84, 1806.

*Cemonus*, *Jurine, Hym.* 214, 1807.

## 1. CEMONUS UNICOLOR.

B. M.

*Pemphredon unicolor*, *Latr. Gen. Crust. Ins.* iv. 84. *St. Farg. Enc. Méth.* x. 48, 3. *Van der Lind. Obs.* ii. 83, 6. *Zett. Ins. Lapp.* 441, 2. *Curtis, Brit. Ent.* xiv. t. 632.

*Cemonus unicolor*, *Jurine, Hym.* 214. *Shuck. Foss. Hym.* 200, 1. *Dahlb. Hym. Europ.* 255, 155. *St. Farg. Hist. Nat. Ins.* iii. 94, 2, t. 26, f. 2.

HAB.—Britain (Bramble sticks).

## 2. CEMONUS LETHIFER.

B. M.

*Cemonus lethifer*, *Shuck. Foss. Hym.* 201, 2. *Dahlb. Hym. Europ.* 254, 154.

HAB.—Britain.

## 10. MELLINUS.

- Vespa, pt., *Linn. Syst. Nat.* 948, 1766.  
 Crabro, pt., *Fab. Mant.* i. 294, 1787.  
 Mellinus, pt., *Fab. Ent. Syst.* ii. 285, 1793.

## 1. MELLINUS VAGUS.

B. M.

- Sphex vaga, *Linn. Faun. Suec.* 1664, and *Cab. Mus. Linn. Soc.* ♂.  
*Scop. Ent. Carn.* 785, f. 785.  
 Vespa arvensis, *Linn. Faun. Suec.* 1678, and *Cab. Mus. Linn. Soc.*  
 ♀. *De Geer, Ins.* ii. 2, 820, 3. *Schrank, Ins. Aust.* 392, 791.  
*Fab. Mant.* i. 291, 49. *Christ. Hym.* 234.  
 Vespa superbus, *Harris, Expos.* 227, 3, t. 37, f. 3.  
 Crabro bipunctatus, *Fab. Mant.* i. 296, 18. *Oliv. Enc. Méth.* vi.  
 516, 20.  
 Crabro U. flavum, *Panz. Faun. Germ.* 17, 20.  
 Mellinus bipunctatus, *Fab. Ent. Syst.* ii. 286, 4.  
 Mellinus arvensis, *Fab. Ent. Syst.* ii. 287, 7. *Latr. Hist. Nat.*  
 xiii. 319, 3. *Van der Lind. Obs.* ii. 84, 1. *Shuck. Foss. Hym.*  
 203, 1. *Zett. Ins. Lapp.* 440, 1. *St. Farg. Hist. Nat. Ins.*  
 iii. 91, 1. *Dahlb. Hym. Europ.* 226, 131.  
*Geoff. Ins. Par.* ii. 375, 3.  
 HAB.—Britain, Sand-banks.

## 2. MELLINUS SABULOSUS.

B. M.

- Crabro sabulosus, *Fab. Mant.* i. 296, 17. *Oliv. Enc. Méth.* vi. 515.  
 19.  
 Crabro petiolatus and frontalis, *Panz. Faun. Germ.* 46, 11, ♂, and  
 46, 12, ♀.  
 Mellinus sabulosus, *Fab. Ent. Syst.* ii. 286, 2. *Van der Lind. Obs.*  
 ii. 87, 3. *Shuck. Foss. Hym.* 205, 2. *Dahlb. Hym. Europ.*  
 230, 133. *Curtis, Brit. Ent.* xiii. t. 580.  
 Mellinus ruficornis, *Fab. Ent. Syst.* ii. 286, 3. *Panz. Faun. Germ.*  
 77, 17. *Latr. Hist. Nat.* xiii. 519, 4.  
 Mellinus fulvicornis, *Fab. Syst. Piez.* 300, 13, ♂. *Panz. Faun.*  
*Germ.* 98, 18, ♂. *Van der Lind. Obs.* ii. 86, 2, ♂.  
 HAB.—Suffolk, Nottingham and Newcastle.

## 10. ALYSON.

Pompilus, pt., *Fab. Ent. Syst. Supp.* 246, 1798.

Alyson, *Jurine, Hym.* 195, 1807.

## 1. ALYSON LUNICORNIS.

B. M.

Pompilus lunicornis, *Fab. Ent. Syst. Supp.* 249, 21, ♂.

Alyson lunicornis, *Latr. Gen. Crust. Ins.* iv. 86. *Van der Lind.*

*Obs.* ii. 88, 1. *Shuck. Foss. Hym.* 207, 1. *Dahlb. Hym.*

*Europ.* 142, 75. *St. Farg. Hist. Nat. Ins.* iii. 86, 1, t. 26, 1.

Alyson Kennedii, *Curtis, Brit. Ent.* xiii. t. 584, ♀.

HAB.—Hastings, and Ryde Isle of Wight.

## 11. GORYTES.

Sphex, pt., *Linn. Syst. Nat.* i. 941, 1766.

Vespa, pt., *Linn. Syst. Nat.* i. 948, 1766.

Crabro, pt., *Rossi, Faun. Etrus. App.* 123, 1790.

Mellinus, pt., *Fab. Ent. Syst.* ii. 285, 1793.

Gorytes, *Latr. Hist. Nat.* xiii. 308, 1805.

Arpactus, *Jurine, Hym.* 194, 1807.

Hoplisus, Euspongus and Lestiphorus, *St. Farg. Hist. Nat. Ins.* iii.

60, 66, and 72, 1845.

## 1. GORYTES MYSTACEUS.

B. M.

Sphex mystacea, *Linn. Syst. Nat.* i. 944, 21, and *Cab. Mus. Linn. Soc.* ♂. *Christ.* 270.

Vespa campestris, *Linn. Syst. Nat.* i. 950, 13, ♀, and *Cab. Mus.*

*Linn. Soc. Fab. Syst. Ent.* 369, 31. *Rossi, Faun. Etrus.* ii.

88, 873. *Christ.* 234. *Oliv. Enc. Méth.* vi. 689, 96.

Mellinus mystaceus, *Fab. Ent. Syst.* ii. 285, 1. *Panz. Faun.*

*Germ.* 53, 11.

Mellinus campestris, *Fab. Ent. Syst.* ii. 287, 6.

Mellinus ruficornis, *Fab. Syst. Piez.* 298, 3.

Arpactus campestris, *Panz. Krit. Revis.* ii. 165.

Arpactus mystaceus, *Jurine, Hym.* 194.

Gorytes mystaceus, *Latr. Gen. Crust. Ins.* iv. 89. *Illig. (Rossi)*

*Faun. Etrus.* ii. 144, 873. *Van der Lind. Obs.* ii. 94, 9. *Shuck.*

*Foss. Hym.* 211, 1. *Dahlb. Hym. Europ.* 166, 98. *St. Farg.*

*Hist. Nat. Ins.* iii. 55, 1, t. 25, f. 8, ♀.

HAB.—Britain, Woods and hedgerows.

## 2. GORYTES FARGEII.

B. M.

Mellinus quadrifasciatus, *Panz. Faun. Germ.* 98, 17, ♂.

Arpactus quadrifasciatus, *Panz. Krit. Revis.* ii. 165.

Gorytes campestris, *St. Farg. Ann. Ent. Soc. Fr.* i. 58, 2. *Dahlb. Hym. Europ.* 168, 99.

Gorytes Fargeii, *Shuck. Foss. Hym.* 214, 2.

## 3. GORYTES QUADRIFASCIATUS.

B. M.

Mellinus quadrifasciatus, *Fab. Syst. Piez.* 298, 5, ♂.

Mellinus 5-cinctus, *Fabr. Syst. Piez.* 299, 11? ♀. *Panz. Faun. Germ.* 72, 14, ♀.

Gorytes 5-cinctus, *Latr. Gen. Crust. Ins.* iv. 89. *Van der Lind. Obs.* ii. 99, 13.

Gorytes quadrifasciatus, *Latr. Gen. Crust. Ins.* iv. 90, ♂, ♀. *Van der Lind. Obs.* ii. 96, 10, the ♀ only. *Shuck. Foss. Hym.* 215, 3.

Hoplisus 5-cinctus, *St. Farg. Ann. Ent. Soc. Fr.* i. 62, Var. a, ♀, and 63, ♂ only. *St. Farg. Hist. Nat. Ins.* iii. 60, 1, t. 25, f. 5. *Dahlb. Hym. Europ.* 162, 94.

Gorytes libitinaris, *Curt. Brit. Ent.* xi. 524.

HAB.—Highgate and Colney Hatch.

## 4. GORYTES LATICINCTUS.

B. M.

Gorytes quadrifasciatus, *Spin. Ins. Lig.* i. 93, 2.

Gorytes arenarius, *Van der Lind. Obs.* ii. 97, 11, ♂, var. and second ♀.

Euspongius laticinctus, *St. Farg. Ann. Ent. Soc. Fr.* i. 66, 1, and *Hist. Nat. Ins.* iii. 66, 1, t. 25, f. 6.

Gorytes laticinctus, *Shuck. Foss. Hym.* 217, 4.

Hoplisus laticinctus, *Dahlb. Hym. Europ.* 161, 92.

HAB.—New Forest.

## 5. GORYTES BICINCTUS.

Crabro bicinctus, *Rossi, Faun. Etrus. App.* 123, 110.

Gorytes bicinctus, *Van der Lind. Obs.* ii. 93, 7. *Curt. Brit. Ent.* ii. t. 524. *Shuck. Foss. Hym.* 219, 5.

Lestiphorus bicinctus, *St. Farg. Ann. Ent. Soc. Fr.* i. 70, 1. *Dahlb. Hym. Europ.* 156, 90.

HAB.—London district.



## 12. HARPACTUS.

- Mutilla, *Lat. Act. Soc. Hist. Nat. Paris*, i. 11, 1792.  
 Spheg, pt., *Fab. Ent. Syst. Supp.* 243, 1798.  
 Evania, pt., *Fab. Ent. Syst. Supp.* 241, 1798.  
 Ceropales, pt., *Fab. Syst. Piez.* 185, 1804.  
 Pompilus, pt., *Fab. Syst. Piez.* 187, 1804.  
 Mellinus, *Latr. Hist. Nat.* xiii. 318, 1804.  
 Arpactus, *Jurine, Hym.* 192, 1807.  
 Larra, *Dahlb. Exercit. Hym.* 51, 1833.  
 Harpactus, *Shuck. Foss. Hym.* 221, 1837.

## 1. HARPACTUS LÆVIS.

B. M.

- Mutilla lævis, *Latr. Act. Soc. Hist. Nat. Paris*, i. 11, 12.  
 Spheg cruenta, *Fab. Ent. Syst. Supp.* 244, 54—55.  
 Evania ruficollis, *Fab. Ent. Syst. Supp.* 241, 3—4?  
 Ceropales ruficollis, *Fab. Syst. Piez.* 186, 6?  
 Pompilus cruentus, *Fab. Syst. Piez.* 192, 20. *Panz. Faun. Germ.*  
 84, 20. *Coqueb.* i. 23, t. 5, f. 10.  
 Mellinus cruentatus, *Latr. Hist. Nat.* xiii. 318, 1.  
 Gorytes lævis, *Van der Lind. Obs.* ii. 91, 1.  
 Harpactus lævis, *Shuck. Foss. Hym.* 221, 1. *Dahlb. Hym. Europ.*  
 148, 79.

HAB.—Locality not known.

## 2. HARPACTUS TUMIDUS.

B. M.

- Pompilus tumidus, *Panz. Faun. Germ.* 81, 15.  
 Mellinus tumidus, *Panz. Krit. Revis.* ii. 169.  
 Arpactus tumidus, *Jurine, Hym.* 194.  
 Harpactus tumidus, *Shuck. Foss. Hym.* 222, 2. *Dahlb. Hym. Europ.*  
 149, 82.  
 Gorytes tumidus, *Van der Lind. Obs.* ii. 92, 4.  
 HAB.—Britain, Sandy spots.

## 13. PSEN.

- Psen, *Latr. Précis*, 1796.  
 Spheg, pt., *Fab. Ent. Syst. Supp.* 243, 1798.  
 Pelopæus, pt., *Fab. Syst. Piez.* 202, 1804.  
 Trypoxylon, pt., *Fab. Syst. Piez.* 180, 1804.

## 1. PSEN ATER.

B. M.

*Sphex atra*, *Fab. Ent. Syst. Supp.* 244, 18, 19. *Panz. Faun. Germ.* 72, 7, ♂.

*Pelopæus unicolor*, *Fab. Syst. Piez.* 204, 10.

*Pelopæus compressicornis*, *Fab. Syst. Piez.* 204, 11, ♂.

*Trypoxylon atratum*, *Fab. Syst. Piez.* 182, 5, ♀.

*Psen ater*, *Panz. Krit. Revis.* ii. 108.

*Psen pallipes*, *Spin. Ins. Lig.* i. 94, 2.

*Psen serraticornis*, *Jurine, Hym.* t. 8, gen. 6, ♂.

*Psen ater*, *Van der Lind. Obs.* ii. 102, 1. *Latr. Hist. Nat.* xiii. 310? *Shuck. Foss. Hym.* 225, 1. *St. Farg. Hist. Nat. Ins.* iii. 40, 1.

HAB.—Hawley Hants.

## 2. PSEN ATRATUS.

B. M.

*Sphex pallipes*, *Panz. Faun. Germ.* 52, 22, ♂.

*Trypoxylon atratum*, *Panz. Faun. Germ.* 98, 15.

*Psen ater*, *Panz. Krit. Revis.* ii. 109.

*Psen atratus*, *Van der Lind. Obs.* ii. 103, 22, ♂. *Shuck. Foss. Hym.* 227, 2. *Dahlb. Hym. Europ.* 5, 6. *St. Farg. Hist. Nat. Ins.* iii. 42, 2.

HAB.—Britain, in straws of thatch, &c.

## 14. MIMESA.

*Trypoxylon equestre*, *Fab. Syst. Piez.* 180, 1804.

*Psen*, *Latr. Nouv. Dict.* 2 ed. 28, 1816.

*Mimesa*, *Shuck. Foss. Hym.* 228, 1837.

## 1. MIMESA EQUESTRIS.

B. M.

*Trypoxylon equestre*, *Fab. Syst. Piez.* 182, 6.

*Psen rufa*, *Panz. Faun. Germ.* 96, 17.

*Psen equestris*, *Van der Lind. Obs.* ii. 107, 4. *Latr. Nouv. Dict.* 2 ed. 28, 193. *Curtis, Brit. Ent.* i. t. 25.

*Mimesa equestris*, *Shuck. Foss. Hym.* 229, 1. *Dahlb. Hym. Europ.* 4, 5.

HAB.—London district, Hants, Isle of Wight, &c.

## 2. MIMESA BICOLOR.

B. M.

- Psen bicolor*, *Jurine, Hym. t. 13.*  
*Mimesa bicolor*, *Shuck. Foss. Hym. 230, 2.*  
*Mimesa lutaria*, *Dahlb. Hym. Europ. 4, 4.*  
*Psen equestris*, *St. Farg. Hist. Nat. Ins. iii. 43, 3.*  
 HAB.—Britain, Sandy situations.

## 3. MIMESA UNICOLOR.

- Psen unicolor*, *Van der Lind. Obs. ii. 105, 3. St. Farg. Hist. Nat. Ins. iii. 44, 4.*  
*Mimesa unicolor*, *Shuck. Foss. Hym. 231, 3. Dahlb. Hym. Europ. 1, 1.*  
 HAB.—Britain.

## 15. CERCERIS.

- Sphex*, pt., *Linn. Faun. Suec. 1660, 1761.*  
*Vespa*, *Harris, Expos. 127, 1776.*  
*Crabro*, pt., *Fab. Mant. i. 294, 1787.*  
*Philanthus*, pt., *Fab. Ent. Syst. ii. 288, 1793.*  
*Cerceris*, *Latr. Hist. Nat. 13, 1804.*

## 1. CERCERIS ARENARIA.

B. M.

- Sphex arenaria*, *Linn. Faun. Suec. 1660, and Cab. Mus. Linn. Soc.*  
*Vespa exultus* and *pelutans*, *Harris, Expos. t. 37, f. 1, 2.*  
*Crabro 5-cinctus*, *Fab. Mant. i. 295, 11. Oliv. Enc. Méth. vi. 514, 13. Schrank, Faun. Boic. ii. 335, 2182.*  
*Crabro arenarius*, *Fab. Mant. i. 297, 20. Schrank, Faun. Boic. ii. 335, 2184. Oliv. Enc. Méth. vi. 516, 22, ♀.*  
*Philanthus 5-cinctus*, *Fab. Ent. Syst. ii. 291, 9.*  
*Philanthus lætus*, *Fab. Ent. Syst. ii. 291, 10. Panz. Faun. Germ. 63, 11.*  
*Cerceris aurita*, *Fab. Ent. Syst. Supp. 268, 1. Latr. Hist. Nat. xiii. 315, 1. Spin. Ins. Lig. i. 96, 1.*  
*Philanthus 4-fasciatus*, *Panz. Faun. Germ. 63, 14. Fab. Piez. 305, 16.*  
*Cerceris læta*, *Curtis, Brit. Ent. vi. t. 269.*

*Cerceris arenaria*, *Van der Lind. Obs.* ii. 109, 3. *Shuck. Foss. Hym.* 233, 1. *Dahlb. Hym. Europ.* 205, 122. *St. Farg. Hist. Nat. Ins.* iii. 16, 11.

HAB.—Britain, Sandy situations.

## 2. *CERCERIS LABIATA.*

B. M.

*Crabro labiatus*, *Fab. Ent. Syst.* ii. 296, 11, ♀.

*Crabro cunicularius*, *Schrank, Faun. Boic.* ii. 334, 2181.

*Crabro bidens*, *Schrank, Faun. Boic.* ii. 335, 2183.

*Philanthus labiatus*, *Panz. Faun. Germ.* 63, 16. *Fab. Syst. Piez.* 303, 10, ♀.

*Philanthus arenarius*, *Panz. Faun. Germ.* 46, 2, ♂?

*Cerceris interruptus*, *Spin. Ins. Lig.* i. 99, 4, var. 1.

*Cerceris nasuta*, *Latr. Gen. Crust. Ins.* iv. 94, ♂, ♀.

*Cerceris labiata*, *Van der Lind. Obs.* ii. 111. *Shuck. Foss. Hym.* 236, 2. *Dahlb. Hym. Europ.* 217, 129. *St. Farg. Hist. Nat. Ins.* iii. 2, 1.

HAB.—Hawley Hants, and Weybridge Surrey.

## 3. *CERCERIS INTERRUPTA.*

B. M.

*Philanthus interruptus*, *Panz. Faun. Germ.* 63, 17, ♀?

*Philanthus 5-cinctus*, *Panz. Faun. Germ.* 63, 12.

*Cerceris interrupta*, *Van der Lind. Obs.* ii. 113, 7. *Shuck. Foss. Hym.* 238, 3.

*Cerceris nasuta*, *Dahlb. Hym. Europ.* 215, 128.

HAB.—Birch Wood and Erith Kent; Weybridge Surrey.

## 4. *CERCERIS ORNATA.*

B. M.

*Philanthus ornatus*, *Fab. Ent. Syst.* ii. 290, 6. *Panz. Faun. Germ.* 63, 10. *Revis.* ii. 174.

*Crabro variabilis*, *Schrank, Faun. Boic.* ii. 339, 2190.

*Philanthus semicinctus*, *Panz. Faun. Germ.* 47, 24, ♂.

*Cerceris ornata*, *Latr. Hist. Nat.* xiii. 317, 3. *Walck. Mon. Halict.* 80. *Van der Lind. Obs.* ii. 117, 13. *Shuck. Foss. Hym.* 239, 4. *St. Farg. Hist. Nat. Ins.* iii. 20, 14.

*Cerceris variabilis*, *Dahlb. Hym. Europ.* 196, 118.

HAB.—Britain, Sandy situations.

## 5. CERCERIS SABULOSUS.

B. M.

*Philanthus sabulosus*, *Panz. Faun. Germ.* 63, 13, ♂. *Shuck. Foss. Hym.* 244, 6, ♂.

*Philanthus quadricinctus*, *Panz. Faun. Germ.* 63, 15, ♀. *Shuck. Foss. Hym.* 243, 5, ♀. *St. Farg. Hist. Nat. Ins.* iii. 23, 15.

*Cerceris fasciata*, *Spin. Ins. Lig.* i. 97, 2, ♀.

HAB.—Faversham and Darenth Kent.

## 16. PHILANTHUS.

*Vespa*, pt., *Fab. Syst. Ent.* 362, 1775.

*Crabro*, pt., *Rossi, Mant.* i. 138, 1792.

*Philanthus*, pt., *Fab. Ent. Syst.* ii. 288, 1793.

*Simblephilus*, *Jurine*, 185, 1807.

## 1. PHILANTHUS TRIANGULUM.

*Vespa triangulum*, *Fab. Syst. Ent.* 373, 49. *Christ.* 136. *Oliv. Enc. Méth.* vi. 692, 116.

*Vespa limbata*, *Oliv. Enc.* vi. 693, 118.

*Crabro androgynus*, *Rossi, Faun. Etrus. Mant.* i. 138, 305.

*Philanthus pictus*, *Panz. Faun. Germ.* 43, 23, ♂. *Fab. Syst. Piez.* 302, 5.

*Philanthus apivorus*, *Latr. Fourm.* 317, t. 12, f. 2, a, b.

*Philanthus triangulum*, *Fab. Ent. Syst.* ii. 289, 2. *Dumeril, Consid.* pl. 59, t. 6, 7. *Shuck. Foss. Hym.* 246, 1. *Dahlb. Hym. Europ.* 187, 115. *St. Farg. Hist. Nat. Ins.* iii. 34, 2.

*Simblephilus diadema*, *Jurine, Hym.* t. 10, gen. 18.

*Philanthus androgynus*, *Curtis, Brit. Ent.* vi. t. 273, ♀.

HAB.—Sandown Isle of Wight; Heron Court Hants; Byfleet Surrey; Snaresbrook Essex; and Pegwell Bay.

Tribe 3. *DIPLOPTERA*, Latr.Fam. 1. *EUMENIDÆ*, Westw.1. *EUMENES*.

*Vespa*, pt., *Linn. Faun. Suec.* 415, 1761.

*Eumenes*, *Fab. Syst. Piez.* 284, 1804.

1. *EUMENES COARCTATA*.

B. M.

*Vespa coarctata*, *Linn. Faun. Suec.* 1676, and *Cab. Mus. Linn. Soc.*  
♀. *Scop. Ent. Carn.* 830, ♂. *Fab. Syst. Ent.* 370, 39.  
*Schrank, Ins. Aust.* 790. *Fourc. Ent. Par.* ii. 435, 10. *Zett.*  
*Ins. Lapp.* 458, 1.

*Vespa coronata*, *Panz. Faun. Germ.* 64, 12, ♂, var.

*Vespa pedunculata*, *Panz. Faun. Germ.* 63, 8, ♀.

*Eumenes coarctata*, *Fab. Syst. Piez.* 288, 16, ♂.

*Eumenes atricornis*, *Fab. Syst. Piez.* 289, 17, ♀. *Curtis, Brit. Ent.*  
i. t. 13.

*Geoff. Ins. Par.* ii. 377, 10.

HAB.—On heaths, Hants, and Weybridge Surrey.

2. *SYMMORPHUS*.

*Vespa*, pt., *Linn. Syst. Nat.* i. 948, 1761.

*Odynerus*, pt., *Curtis, Brit. Ent.* 137, 1827.

*Symmorphus*, *Wesm. Mon. Odyn. Supp.* 2, 1833.

1. *SYMMORPHUS MURARIUS*.

*Vespa muraria*, *Linn. Syst. Nat.* i. 950, 8, and *Cab. Mus. Linn.*  
*Soc.*

*Vespa crassicornis*, *Panz. Faun. Germ.* 53, 8.

*Odynerus parietum*, *Spin. Ins. Lig.* ii. 180, 6.

*Odynerus crassicornis*, *Wesm. Mon. Odyn. Belg.* 39, 6. *St. Farg.*  
*Hist. Nat. Ins.* 663, 41.

*Symmorphus crassicornis*, *Wesm. Mon. Odyn. Belg. Supp.* 2, 8.

HAB.—Darenth Kent, in sand-banks.

## 2. SYMMORPHUS BIFASCIATUS.

B. M.

*Vespa bifasciata*, *Linn. Syst. Nat.* i. 950, 14. *Rossi, Faun. Etrus.* ii. 86, 869. *Christ. Hym.* 234. *Fab. Ent. Syst.* ii. 269, 60.

*Odynerus bifasciatus*, *Spin. Ins. Lig.* ii. 184, 9. *Zett. Ins. Lapp.* 457, 6. *Wesm. Mon. Odyn. Belg.* 45, 8.

*Vespa minuta*, *Fab. Ent. Syst. Supp.* 262, 65—6. *St. Farg. Hist. Nat. Ins.* ii. 632, 18.

*Symmorphus bifasciatus*, *Wesm. Mon. Odyn. Belg. Supp.* 2, 10.

*Odynerus connexus*, *Curtis*, 3, t. 138.

HAB.—Britain.

## 3. SYMMORPHUS ELEGANS.

B. M.

*Odynerus elegans*, *Wesm. Mon. Odyn. Belg.* 43, 7. *St. Farg. Hist. Nat. Ins.* ii. 664, 13.

*Symmorphus elegans*, *Wesm. Mon. Odyn. Belg. Supp.* 2, 9.

HAB.—Britain.

## 3. ANCISTROCERUS.

*Vespa*, pt., *Linn. Syst. Nat.* 1766.

*Odynerus*, *Spin. Ins. Lig.* ii. 179, 1806.

*Ancistrocerus*, *Wesm. Mon. Odyn. Belg. Supp.* ii. 1833.

## 1. ANCISTROCERUS PARIETUM.

B. M.

*Vespa parietum*, *Linn. Faun. Suec.* 1673, and *Cab. Mus. Linn. Soc. Schrank, Ins. Austr.* 792. *Fab. Syst. Ent. Syst.* *Rossi, Faun. Etrus.* 368, 26. *Christ. Hym.* 237.

*Vespa simplex*, *Fab. Ent. Syst.* ii. 267, 52, ♂, var.

*Vespa angulatus*, *Don. Brit. Ins.* xiv. 71, t. 495, f. 1.

*Odynerus Geoffroyanus*, *Spin. Ins. Lig.* ii. 182, 7.

*Odynerus parietum*, *Wesm. Mon. Odyn. Belg.* 4, 5. *Zett. Ins. Lapp.* 455, 1.

*Geoff. Ins. Par.* ii. 376, 9.

HAB.—Britain, Decaying palings, &c.

## 2. ANCISTROCERUS EMARGINATUS.

*Vespa emarginata*, *Fab. Ent. Syst.* ii. 267, 51, ♂.

*Vespa sexfasciata*, *Fab. Ent. Syst.* ii. 268, 56, ♂. *Spin. Ins. Lig.* ii. 87, 871, ♂.

*Vespa sexpunctata*, *Christ.* 241, t. 22, f. 6.

*Vespa quadrata*, *Panz. Faun. Germ.* 63, 3, ♀. *Don. Brit. Ins.* xiv. 72, t. 459, 2, ♀.

*Vespa aucta*, *Panz. Faun. Germ.* 81, 17, ♂?

*Odynerus parietum*, *Wesm. Mon. Odyn. Belg.* 16, 4 (var.).

*Ancistrocerus parietum*, *Wesm. Mon. Odyn. Belg.* 2, 5 (var.).

HAB.—Britain, in old posts, &c.

### 3. ANCISTROCERUS PARIETINUS.

*Vespa parietina*, *Linn. Faun. Suec.* 1679.

*Vespa insolens*, *Harris, Expos.* 129, t. 37, f. 7.

*Vespa antilope*, *Panz. Faun. Germ.* 53, 9.

*Odynerus parietinus*, *Curtis, Brit. Ent.* iii. t. 137.

*Odynerus antilope*, *Wesm. Mon. Odyn. Belg.* 32, 5. *St. Farg. Hist. Nat. Ins.* ii. 649, 34.

A true Wasp, *Frisch, Ins.* 9, t. 12.

HAB.—Britain, Sand-banks, old walls, &c.

### 4. ANCISTROCERUS TRIFASCIATUS.

B. M.

*Vespa trifasciata*, *Fab. Ent. Syst.* ii. 270, 61.

*Odynerus trifasciatus*, *Wesm. Mon. Odyn. Belg. Supp.* 7, 6. *St. Farg. Hist. Nat. Ins.* ii. 653, 36.

*Vespa Gazell*, *Panz. Faun. Germ.* 56, 10, var. ♂.

*Ancistrocerus trifasciatus*, *Wesm. Mon. Supp.* 2, 6.

~~*Odynerus 3-marginatus*, *Zett. Ins. Lapp.* 456, 4.~~

HAB.—Britain, Decaying palings, &c.

### 5. ANCISTROCERUS 3-MARGINATUS.

*Odynerus trimarginatus*, *Zett. Ins. Lapp.* 456, 4.

*Odynerus Scoticus*, *Curtis, Brit. Ent.* iii. 138?

HAB.—North of England.

### 6. ANCISTROCERUS PICTUS.

B. M.

*Odynerus pictus*, *Curtis, Brit. Ent.* iii. 138.

HAB.—London district, Bristol, &c.



## 4. ODYNERUS.

*Vespa*, pt., *Linn. Syst. Nat.* 1766.  
*Odynerus*, pt., *Latr. Hist. Nat.* xiii. 346, 1805.  
*Epipone*, (*Kirby*), *Steph. Syst. Cat.* 369, 1829.  
*Oplopus*, *Wesm. Mon. Odyn. Belg. Supp.* 2, 1833.

## 1. ODYNERUS SPINIPES.

B. M.

*Vespa spinipes*, *Linn. Faun. Suec.* ♂, 1682, and *Cab. Mus. Linn. Soc.* ♂. *Fab. Syst. Ent.* 368, 28, ♂. *Rossi, Faun. Etrus.* ii. 86, 868. *Christ. Hym.* 233.  
*Vespa parietina*, *Panz. Faun. Germ.* 49, 24, ♀. *Fab. Syst. Piez.* 263, 52, ♀.  
*Vespa quinquefasciata*, *Fab. Ent. Syst.* ii. 267, 49, ♀.  
*Odynerus spinipes*, *Spin. Ins. Lig.* i. 89, 3, ♂. *Wesm. Mon. Odyn. Belg.* 6, 2. *St. Farg. Hist. Nat. Ins.* ii. 608, 2.  
*Odynerus Reaumurii*, *Dufour, Mem. Odyn.* 6.  
*Guêpe solitaire*, *Reaum. Mem.* vi. 247, t. 26, f. 2, ♀.

HAB.—Britain, in banks.

## 2. ODYNERUS LÆVIPES.

B. M.

*Odynerus lævipis*, *Shuck. Loud. Mag. Nat. Hist. New Ser.* i. 490.  
*Odynerus rubicola*, *Dufour, Ann. Sci. Nat.* 1839.

HAB.—Hawley Hants, and Hampstead, Bramble sticks.

## 3. ODYNERUS MELANOCEPHALUS.

*Vespa melanocephala*, *Gmelin, Syst. Nat.* i. 2760, 96.  
*Vespa spinipes*, *Oliv. Enc. Méth.* vi. 687, 87, ♂.  
*Vespa albofasciata*, *Rossi, Faun. Etrus.* ii. 143, 870, ♀.  
*Odynerus melanocephalus*, *Wesm. Mon. Odyn. Belg.* 12, 3.  
*Oplopus melanocephalus*, *Wesm. Mon. Odyn. Belg. Supp.* 2, 3.

HAB.—Bristol, Birch Wood, &c.

Fam. 2. VESPIDÆ, *Steph.*1. VESPA, *Auctor.*

Vespa, pt. *Linn. Syst. Nat.* 948.

## 1. VESPA CRABRO. The Hornet.

B. M.

Vespa crabro, *Linn. Faun. Suec.* 1670. *Scop. Ins. Carn.* 824. *De Geer, Ins.* ii. 801, t. 27. *Fab. Syst. Ent.* 364, 8. *Harris, Expos.* 127, t. 34, f. 1, 2, 3. *Schrank, Ins. Aust.* 786. *Fourc. Ent. Par.* ii. 430, 1. *Rossi, Faun. Etrus.* ii. 83, 860. *Christ. Hym.* 215, t. 18, f. 3. *Don. Brit. Ins.* xiv. 85, t. 502. *Latr. Hist. Nat.* xiii. 350, 1. *Zett. Ins. Lapp.* 453, 1. *St. Farg. Hist. Nat. Ins.* i. 509, 7, t. 9, f. 1, 2, 3.

Crabro vulgaris, *Ray, Hist. Ins.*

*Reaum. Ins.* vi. t. 18, f. 1, and iv. t. 10, f. 9.

*Swamm. Bibl. Nat.* t. 26, f. 9.

*Geoff. Ins.* ii. 368, 1.

*Frisch, Ins.* ix. t. 11, f. 1, 6.

HAB.—West and South-west of England.

## 2. VESPA VULGARIS. The Common Wasp.

B. M.

Vespa vulgaris, *Linn. Faun. Suec.* 1671, and *Cab. Mus. Linn. Soc. Scop. Ent. Carn.* 825. *De Geer, Ins.* ii. 766, t. 26. *Fab. Syst. Ent.* 364, 9. *Harris, Expos.* 128, t. 37, f. 5. *Schrank, Ins. Aust.* 787. *Fourc. Ent. Par.* ii. 430, 2. *Panz. Faun. Germ.* 49, 16. *Rossi, Faun. Etrus.* ii. 83, 861. *Christ. Hym.* 236, t. 22, f. 2. *Don. Brit. Ins.* vii. t. 266. *Latr. Hist. Nat.* xiii. 351, 3. *Zett. Ins. Lapp.* 453, 2. *St. Farg. Hist. Nat. Ins.* i. 516, 14. *Smith, Zool.* i. 162, 2, f. a—f.

Vespa Germanica, *Fab. Ent. Syst.* ii. 256, 12, ♂. *Panz. Faun. Germ.* 49, 20, ♀. *St. Farg. Hist. Nat. Ins.* i. 515, 13, ♂, ♀.

Vespa Saxonica, *Fab. Ent. Syst.* ii. 256, 12, ♂. *Panz. Faun. Germ.* 49, 21, ♂.

*Ray, Hist. Ins.* 250.

*Geoff. Ins. Par.* ii. 369, 2.

*Swamm. Bibl. Nat.* t. 26, f. 8.

*Frisch, Ins.* ix. t. 12.

*Schaff. Icon. Ins.* t. 35, f. 4.

HAB.—Britain, Banks, occasionally on rafters of out-houses, &c.

## 3. VESPA RUFA. The Anchor-faced Wasp. B. M.

*Vespa rufa*, Linn. *Syst. Nat.* i. 949, 5. *Fab. Syst. Ent.* 364, 10. *Schrank, Ins. Aust.* 788. *Christ.* 236, t. 22, f. 3. *Latr. Hist. Nat.* xiii. 352, 5. *St. Farg. Hist. Nat. Ins.* i. 517, 15. *Zett. Ins. Lapp.* 454, 4. *Curtis, Brit. Ent.* xvi. t. 760. *Smith, Zool.* i. 167, 3, f. g, h, i.

HAB.—Britain, Banks.

## 4. VESPA SYLVESTRIS. The Campanular Wasp. B. M.

*Vespa sylvestris*, Scop. *Ent. Carn.* 826. *Christ.* 235, t. 22. f. 1, a, b.

*Vespa parietum*, Harris, *Expos.* 128, t. 37, f. 4, ♂ ?

*Vespa holsatica*, *Fab. Ent. Syst.* ii. 257, 14. *Latr. Hist. Nat.* xiii. 352, 4. *Smith, Zool.* i. 168, 4, f. k, l, m.

HAB.—Britain, Banks and trees.

## 5. VESPA BRITANNICA. The Tree Wasp. B. M.

*Vespa Britannica*, Leach, *Zool. Misc.* i. 112, t. 50. *Smith, Zool.* i. 169, 5.

*Vespa Norwegica*, *Zett. Ins. Lapp.* 454, 5, ♀, not of *Fab.*

*Vespa vulgaris*, Bigg, *Obs. Nat. Hist. Wasps.*

HAB.—Yorkshire and Scotland, Trees.

## 6. VESPA ARBOREUS. The Northern Wasp. B. M.

*Vespa borealis*, *Smith, Zool.* i. 170, 6, not of Kirby, *Faun. Boreal.* not of *Zett. Ins. Lapp.*

*Vespa arboreus*, *Smith, Zool.* vii. *Supp.* 60.

HAB.—Yorkshire and Scotland, Trees.

## Tribe 4. MELLIFERA, Latr.

## Fam. 1. ANDRENIDÆ, Leach.

Andrenetæ, *Latr. Hist. Nat. Ins.* xiii. 1805.

Andrenides, *Leach, Edinb. Enc.* 1812.

Andrenidæ, *Leach, Sam. Comp.* 1819.

Andrenites, *Newm. Ent. Mag.* 1834.

## 1. COLLETES.

Apis, pt., *Linn. Syst. Nat.* i. 953, 1766.

Andrena, pt., *Fab. Ent. Syst.* ii. 307, 1793.

Melitta, pt., *Kirby, Mon. Ap. Angl.* i. 130, \* a, 1802.

Colletes, *Latr. Hist. Nat. Ins.* xiii. 359, 1805.

Evodia, *Panz. Krit. Revis.* 208, 1805.

## 1. COLLETES SUCCINCTA.

B. M.

Apis succincta, *Linn. Syst. Nat.* i. 955, 18, and *Cab. Mus. Linn. Soc.* ♀. *Christ. Hym.* 185, t. 15, f. 7.

Andrena succincta, *Fab. Syst. Ent.* 378, 14, ♀. *Rossi, Faun. Etrus.* ii. 98, 899.

Apicis invictus, *Harris, Expos.* 134, 12, t. 39, f. 12, ♀.

Apis calendarum, *Panz. Faun. Germ.* ii. 19, ♂ ?

Melitta succincta, *Kirby, Mon. Ap. Angl.* ii. 32, 1, ♂, ♀.

Hylæus glutinosus, *Lat. Cuv. Reg. An.* i. Ed. 3, 513, ♀.

Megilla calendarum, *Fab. Syst. Piez.* 335, 33, ♂.

Colletes succincta, *Latr. Hist. Nat.* xiii. 359, ♀. *St. Farg. Hist. Nat. Ins.* ii. 297, 2, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* 206, 1. *Smith, Zool.* iv. 1276, 1.

Evodia calendarum, *Panz. Krit. Revis.* 208. *Spin. Ins. Lig.* ii. 197, 1.

Colletes fodiens, *Curt. Brit. Ent.* ii. f. 85, ♀.

*Reaum. Mem.* vi. t. 12, f. 1, 13.

HAB.—Britain, Heaths, &c.

## 2. COLLETES FODIENS.

B. M.

Melitta fodiens, *Kirby, Mon. Ap. Angl.* ii. 34, 2, t. 15, f. 1, 2. ♂, ♀.

*Apis pallicincta*, Kirby, *Mon. Ap. Angl.* ii. 295, 67, ♀.

*Apis fodiens*, Fourc. *Ent. Par.* ii. 444, 7.

*Colletes fodiens*, Lat. *Gen. Crust. Ins.* i. t. 14, f. 7. *St. Farg. Hist. Nat. Ins.* ii. 298, 3. *Nyland. Act. Soc. Sc. Fenn.* 206, 2. *Smith, Zool.* iv. 1277, 2.

HAB.—Britain, Sand banks.

### 3. COLLETES MARGINATA.

B. M.

*Apis marginata*, MSS., *Linn. Cab. Mus. Linn. Soc.* ♂.

*Colletes marginata*, *Smith, Zool.* iv. 1277, 3, ♂, ♀.

HAB.—Little Hampton Sussex.

### 4. COLLETES DAVIESANA.

B. M.

*Melitta Daviesana*, Kirby, MSS.

*Colletes Daviesana*, *Smith, Zool.* iv. 1278, 4, ♂, ♀.

HAB.—London district, Erith and Darenth Kent, Isle of Wight Hants, &c.

## 2. PROSOPIS.

*Apis*, pt., *Linn. Syst. Nat.* 953, 1766.

*Hylæus*, pt., *Fab. Ent. Syst.* ii. 302, 1793.

*Melitta*, pt., Kirby, *Mon. Ap. Angl.* i. 134, \* b, 1802.

*Prosopis*, pt., *Fab. Syst. Piez.* 293, 1804.

### 1. PROSOPIS ANNULATUS.

B. M.

*Apis annulatus*, *Linn. Syst. Nat.* i. 958, 33, and *Cab. Mus. Linn. Soc.* ♀. *Fab. Mant.* i. 305, 90. *Christ. Hym.* 197.

*Hylæus annulatus*, *Fab. Ent. Syst.* ii. 305, 12, ♀. *Panz. Faun. Germ.* 55, 3. *Lat. Hist. Nat.* xiii. 360, 1. *Zett. Ins. Lapp.* 463, 1. *Smith, Zool.* vi. 2202, 2, ♂, ♀.

*Melitta annulatus*, Kirby, *Mon. Ap. Angl.* ii. 36, 3, ♂, ♀, and t. 15, f. 3, ♀.

*Prosopis annulata*, *Fab. Syst. Piez.* 293, 1. *Spin. Ins. Lig.* i. 112, 3. *Nyland. Act. Soc. Sc. Fenn.* 187, 1.

*Prosopis signata*, *St. Farg. Hist. Nat. Ins.* ii. 537, 4, var.

HAB.—Britain, Bramble sticks, &c.

## 2. PROSOPIS ANNULARIS.

B. M.

- Sphex annulata, *Panz. Faun. Germ.* 53, 1.  
 Mellinus labiatus, *Fab. Ent. Syst. Supp.* 267, 7, 8.  
 Melitta annularis, *Kirby, Mon. Ap. Angl.* ii. 38, 4, ♂, ♀.  
 Prosopis labiata, *Fab. Syst. Piez.* 295, 12, ♀.  
 Prosopis signata, *St. Farg. Hist. Nat. Ins.* ii. 537, 4, var.  
 Hylæus annularis, *Smith, Zool.* vi. 2202, 3, ♂, ♀.  
 HAB.—Barham, London district, &c.

## 3. PROSOPIS VARIEGATA.

B. M.

- Mellinus variegatus, *Fab. Ent. Syst. Supp.* 265, 1—2.  
 Prosopis variegata, *Fab. Syst. Piez.* 295, 9. *St. Farg. Hist. Nat. Ins.* ii. 534, 1.  
 Prosopis colorata, *Panz. Faun. Germ.* 89, 14.  
 Hylæus variegatus, *Smith, Zool.* vi. 2202, 1.  
 HAB.—Kingsbridge and Bideford Devon.

## 4. PROSOPIS SIGNATUS.

B. M.

- Sphex signata, *Panz. Faun. Germ.* 53, 2.  
 Melitta signata, *Kirby, Mon. Ap. Angl.* ii. 41, 6, ♂, ♀.  
 Prosopis atrata, *Fab. Syst. Piez.* 295, 10, ♂.  
 Prosopis signata, *St. Farg. Hist. Nat. Ins.* ii. 537, 4. *Nyland. Act. Soc. Sc. Fenn.* 190, 4,  
 Hylæus signatus, *Smith, Zool.* vi. 2206, 9, ♂, ♀.  
 HAB.—England.

## 5. PROSOPIS DILATATUS.

B. M.

- Melitta dilatata, *Kirby, Mon. Ap. Angl.* ii. 39, 5, t. 15, f. 4, ♂.  
 Hylæus dilatatus, *Latr. Hist. Nat.* xiii. 361, 2. *Curt. Brit. Ent.* viii. t. 373, ♂. *Smith, Zool.* vi. 2204, 4.  
 Prosopis signata, *St. Farg. Hist. Nat. Ins.* ii. 537, 4, var.  
 Prosopis dilatata, *Nyland, Act. Soc. Sc. Fenn.* 188, 2, ♂.  
 HAB.—Arundel Sussex, Barham Suffolk.

## 6. PROSOPIS CORNUTUS.

- Hylæus cornutus, *Smith, Zool.* vi. 2204, 5, ♀.  
 HAB.—Hawley Hants.

## 7. PROSOPIS PLANTARIS.

*Hylæus plantaris*, *Smith, Zool.* vi. 2205, 6.

HAB.—Cove Common Hants.

## 8. PROSOPIS PUNCTULATISSIMUS.

*Hylæus punctulatus*, *Smith, Zool.* vi. 2205, 7.

HAB.—Birch Wood Kent.

## 9. PROSOPIS HYALINATUS.

B. M.

*Melitta annulata*, *Kirby, Mon. Ap. Angl.* ii. 37, var.  $\beta$ .

*Hylæus hyalinatus*, *Smith, Zool.* vi. 2206, 8.

HAB.—Bristol, Bramble sticks.

## 3. SPHECODES.

*Sphex*, pt., *Linn. Syst. Nat.* i. 941, 1766.

*Apis*, pt., *Christ. Hym.* 153, 1791.

*Nomada*, pt., *Fab. Ent. Syst.* ii. 345, 1793.

*Melitta*, pt., *Kirby, Mon. Ap. Angl.* i. 137, \*\* a, 1802.

*Sphécodes*, *Latr. Hist. Nat.* xiii. 368, 1805.

## 1. SPHECODES GIBBUS.

B. M.

*Sphex gibba*, *Linn. Syst. Nat.* i. 946, 33, and *Cab. Mus. Linn. Soc.*

♀. *Rossi, Faun. Etrus.* ii. 63, 816. *Fab. Ent. Syst.* ii. 212, 59.

*Apis rufa*, *Christ. Hym.* 201, t. 17, f. 12, ♀.

*Melitta sphécoides*, *Kirby, Mon. Ap. Angl.* ii. 46, 9, ♀.

*Melitta monilicornis*, *Kirby, Mon. Ap. Angl.* ii. 47, 10, ♂, and t. 15, f. 6.

*Melitta picea*, *Kirby, Mon. Ap. Angl.* ii. 48, 11, ♂ var.

*Sphécodes piceus*, *Wesm. Obs.* ix. 2.

*Sphécodes gibbus*, *Nyland. Act. Soc. Sc. Fenn.* 193, 2.

*Sphécodes sphécoides*, *Smith, Zool.* iii. 1013, 2, f. 34.

HAB.—Britain.

## 2. SPHECODES RUFESCENS.

B. M.

*Apis rufescens*, *Fourc. Ent. Par.* ii. 447, 17.

*Apis gibba*, *Christ. Hym.* 183, t. 15, f. 3.

*Nomada gibba*, *Fab. Ent. Syst.* ii. 348, 12, and *Cab. Banks. Mus. Linn. Soc.*

*Melitta gibba*, *Kirby, Mon. Ap. Angl.* ii. 42, 7.

*Sphecodes gibbus*, *Latr. Hist. Nat.* xiii. 368. *St. Farg. Hist. Nat. Ins.* ii. 542, 3, *Smith, Zool.* iii. 1012, 1.

*Reaum. Mem.* vi. 96, t. 9, f. 4, 7.

*Proabeille noire et rousse*, *De Geer*, ii. 7, 55, t. 32, f. 6.

HAB.—Britain.

## 3. SPHECODES GEOFFRELLUS.

B. M.

*Melitta Geoffrella*, *Kirby, Mon. Ap. Angl.* ii. 45, 8, ♀, and t. 15, f. 5, ♀.

*Sphecodes Geoffrellus*, *Wesm. Obs.* vii. 3. *St. Farg. Hist. Nat. Ins.* ii. 544, 4. *Nyland. Act. Soc. Sc. Fenn.* 194, 3. *Smith, Zool.* iii. 1014, 5, ♂, ♀.

*Sphecodes maculatus*, *St. Farg. Hist. Nat. Ins.* ii. 545, ♂ var.

HAB.—Britain.

## 4. SPHECODES EPHIPPIA.

B. M.

*Sphex ephippia*, *Linn. Syst. Nat.* i. 944, 22, and *Cab. Mus. Linn. Soc.* ♂.

*Apis fulviventris*, *Scop. Ent. Carn.* 807, ♀? *Schrank, Ins. Aust.* 822.

*Apicis minimus*, *Harris, Expos.* 136, t. 39, f. 21.

*Melitta divisa*, *Kirby, Mon. Ap. Angl.* ii. 49, 12, ♂.

*Sphecodes divisus*, *Smith, Zool.* iii. 1015, 6, ♂, ♀.

*Andrena*, *Potentilla*, *Panz. Faun. Germ.* — 14.<sup>1</sup>

*Apis nigra*, abdomine rufo nitida, incisuris nigris, *Geoff. Ins. Par.* ii. 416, 18.

HAB.—Britain.

## 5. SPHECODES NIGRIPES.

B. M.

*Nomada gibba*, *Fab. Ent. Syst.* ii. 349, 12, var.?

*Sphecodes nigripes*, *St. Farg. Hist. Nat. Ins.* ii. 542, 2, ♂, ♀.

*Sphecodes rugosus*, *Smith, Zool.* vi. 2208.

*Apis rufa*, *Sulz. Hist. Ins.* 198, t. 27, f. 14?

HAB.—Kingsbridge and Bideford Devon.



## 6. SPHECODES PELLUCIDUS.

*Sphecodes pellucidus*, *Smith, Zool.* iii. 1014, 3, ♂, ♀.

HAB.—Hampstead Heath.

## 7. SPHECODES SUBQUADRATUS.

B. M.

*Sphecodes subquadratus*, *Smith, Zool.* iii. 1014, 5, ♂, ♀.

HAB.—Charlton Kent and Camberwell.

## 4. HALICTUS.

*Apis*, pt., *Linn. Syst. Nat.* i. 953, 1766.

*Hylæus*, pt., *Fab. Ent. Syst.* ii. 302, 1793.

*Melitta*, pt., *Kirby, Mon. Ap. Angl.* i. 138, \* \* b, 1802.

*Prosopis*, *Fab. Syst. Piez.* 293, 1804.

*Megilla*, pt., *Fab. Syst. Piez.* 328, 1804.

*Halictus*, *Latr. Hist. Nat.* xiii. 364, 1805.

*Lasioglossum*, *Curtis, Brit. Ent.* x. 418, 1834.

## 1. HALICTUS QUADRICINCTUS.

B. M.

*Hylæus quadricinctus*, *Fab. Ent. Syst.* ii. 303, 3, ♂ ?

*Melitta quadricincta*, *Kirby, Mon. Ap. Angl.* ii. 51, 13, ♀, ♂ ?

*Halictus quadricinctus*, *Nyland. Act. Soc. Sc. Fenn.* 189, 1. *Smith, Zool.* vi. 2040, 1.

HAB.—Isle of Portland, London district ?

## 2. HALICTUS RUBICUNDUS.

B. M.

*Apis rubicundus*, *Christ. Hym.* 190, t. 16, f. 10, ♀.

*Apis flavipes*, *Panz. Faun. Germ.* 56, 17 ? ♀.

*Melitta rubicunda*, *Kirby, Mon. Ap. Angl.* ii. 53, 14, ♂, ♀. *Curtis, Brit. Ent.* x. 449.

*Halictus nidulans*, *St. Farg. Hist. Nat. Ins.* ii. 269, 5.

*Halictus rubicundus*, *Nyland. Act. Soc. Sc. Fenn.* 198. 2. *Smith, Zool.* vi. 2041, 2.

HAB.—Britain.

## 3. HALICTUS TUMULORUM.

B. M.

*Apis tumulorum*, *Linn. Faun. Suec.* 1685, and *Cab. Mus. Linn. Soc.*  
♂. *Fab. Syst. Ent.* 388, 57.

*Apis crocipes*, *Fourc. Ent. Par.* ii, 446, 14, ♂.

*Hylæus flavipes*, *Fab. Ent. Syst.* ii. 305, 11, ♂.

*Melitta flavipes*, *Kirby, Mon. Ap. Angl.* ii. 55, 15, ♂.

*Apis subaurata*, *Rossi, Ins. Etrus. Mant.* 144, 321, ♀. *Panz. Faun.*  
*Germ.* 56, 4.

*Apis seladonia*, *Fab. Ent. Syst. Supp.* 276, 120, ♀.

*Melitta seladonia*, *Kirby, Mon. Ap. Angl.* ii. 57, 16, ♀.

*Megilla subaurata*, *Fab. Syst. Piez.* 333, 22, ♀.

*Halictus seladonius*, *Latr. Hist. Nat.* xiii. 367, 4, ♀. *St. Farg.*  
*Hist. Nat. Ins.* ii. 280, 20. *Nyland. Act. Soc. Sc. Fenn.*  
203, 8.

*Halictus flavipes*, *Smith, Zool.* vi. 2042, 3, ♂, ♀.

HAB.—Britain.

## 4. HALICTUS ÆRATUS.

B. M.

*Melitta ærata*, *Kirby, Mon. Ap. Angl.* ii. 58, 17, ♂, ♀.

*Halictus ærata*, *Smith, Zool.* vi. 2043, 4, ♂, ♀.

HAB.—Britain.

## 5. HALICTUS LEUCOPUS.

B. M.

*Melitta leucopus*, *Kirby, Mon. Ap. Angl.* ii. 59, 18, ♂.

*Halictus leucopus*, *Nyland. Act. Soc. Sc. Fenn.* 205, 10. *Smith,*  
*Zool.* vi. 2100, 5.

HAB.—Britain.

## 6. HALICTUS MORIO.

B. M.

*Hylæus morio*, *Fab. Ent. Syst.* ii. 306, 16, ♂. *Coqueb. Illustr. Ic.*  
*Ins.* 25, t. 6, f. 5, ♂.

*Melitta morio*, *Kirby, Mon. Ap. Angl.* ii. 60, 19, ♂, ♀.

*Halictus morio*, *Zett. Ins. Lapp.* 462, 2. *St. Farg. Hist. Nat. Ins.*  
ii. 284, 26. *Nyland. Act. Soc. Sc. Fenn.* 204, 9. *Smith,*  
*Zool.* vi. 2101, 6.

HAB.—Britain.

## 7. HALICTUS SMEATHMANELLUS. B. M.

*Melitta Smeathmanella*, Kirby, *Mon. Ap. Angl. App.* ii. 375, 111.  
*Halictus Smeathmanellus*, Smith, *Zool.* vi. 2101, 7.

HAB.—London district.

## 8. HALICTUS GRAMINEUS. B. M.

*Halictus gramineus*, Smith, *Zool. App.* vii. 58.

HAB.—Cove Common Hants, Devon.

## 9. HALICTUS MINUTUS. B. M.

*Melitta minuta*, Kirby, *Mon. Ap. Angl.* ii. 61, 20, ♂, ♀.  
*Halictus minutus*, St. Farg. *Hist. Nat. Ins.* ii. 227, 17, ♂, ♀. *Ny-*  
*land. Act. Soc. Sc. Fenn.* 202, 7. Smith, *Zool.* vi. 2102, 8.

HAB.—Britain.

## 10. HALICTUS MINUTISSIMUS. B. M.

*Melitta minutissima*, Kirby, *Mon. Ap. Angl.* ii. 63, 22, ♂, ♀.  
*Halictus minutissimus*, Smith, *Zool.* vi. 2103, 9.

HAB.—Britain.

## 11. HALICTUS NITIDIUSCULUS. B. M.

*Melitta nitidiuscula*, Kirby, *Mon. Ap. Angl.* ii. 64, 23, ♂.  
*Halictus nitidiusculus*, Smith, *Zool.* vi. 2103, 10, ♂, ♀.

HAB.—Britain.

## 12. HALICTUS LONGULUS. B. M.

*Halictus longulus*, Smith, *Zool.* vi. 2104, 11, ♀.

HAB.—Isle of Wight.

## 13. HALICTUS LÆVIS.

*Melitta lævis*, Kirby, *Mon. Ap. Angl.* ii. 65, 24, and *Cab. Mus. Ent.*  
*Soc.*

*Halictus lævis*, St. Farg. *Hist. Nat. Ins.* ii. 277, 16. Smith, *Zool.*  
 vi. 2104, 12, ♂.

HAB.—Isle of Wight.

## 14. HALICTUS VILLOSULUS.

B. M.

- Melitta villosula, *Kirby, Mon. Ap. Angl.* ii. 62, 21, ♂.  
 Melitta punctulata, *Kirby, Mon. Ap. Angl.* ii. 66, 25, ♀.  
 Halictus villosulus, *Smith, Zool.* vi. 2105, 13, ♂, ♀.

HAB.—Britain.

## 15. HALICTUS MALACHURUS.

- Melitta malachura, *Kirby, Mon. Ap. Angl.* ii. 67, 26, ♀.  
 Halictus malachurus, *Smith, Zool.* vi. 2106, 14.

HAB.—Hammersmith.

## 16. HALICTUS ABDOMINALIS.

B. M.

- Apis desertus, *Harris, Expos.* 135, 19, t. 39, f. 19, ♂ ?  
 Apis bicincta, *Schrank, Ins. Aust.* 411, 826, ♂ var. ?  
 Hylæus abdominalis, *Panz. Faun. Germ.* 53, 18, ♂.  
 Melitta abdominalis, *Kirby, Mon. Ap. Angl.* ii. 73, 30, ♂ var.  
 Melitta fulvocincta, *Kirby, Mon. Ap. Angl.* ii. 68, 28, ♀.  
 Andrena vulpina, *Fab. Syst. Piez.* 326, 19, ♀. *Panz. Faun. Germ.*  
 97, 18, ♀.  
 Halictus terebrator, *Walken. Mém. Halict.* 72, ♂, ♀.  
 Halictus vulpinus, *St. Farg. Hist. Nat. Ins.* ii. 276, 15.  
 Halictus fulvocinctus, *Nyland. Act. Soc. Sc. Fenn.* 199, 4.  
 Halictus abdominalis, *Smith, Zool.* vi. 2106, 15.

HAB.—Britain.

## 17. HALICTUS INTERRUPTUS.

B. M.

- Hylæus interruptus, *Panz. Faun. Germ.* 55, 4.  
 Halictus interruptus, *St. Farg. Hist. Nat. Ins.* ii. 288, 32. *Smith,*  
*Zool.* vi. 2167, 16.

HAB.—Kingsbridge Devon.

## 18. HALICTUS ALBIPES.

B. M.

- Apis albipes, *Fab. Mant. Ins.* i. 306, 92, ♂. *Panz. Faun. Germ.*  
 7. 15.  
 Hylæus albipes, *Fab. Ent. Syst.* ii. 306, ♂.  
 Melitta albipes, *Kirby, Mon. Ap. Angl.* ii. 71, 29, ♂.

- Melitta obovata*, Kirby, *Mon. Ap. Angl.* ii. 75, 31. ♀.  
*Prosopis albipes*, Fab. *Syst. Piez.* 294, 4, ♂.  
*Halictus albipes*, St. Farg. *Hist. Nat. Ins.* ii. 287, 31, ♂. Smith,  
*Zool.* vi. 2167, 17, ♂, ♀.  
*Halictus fulvocinctus*, Nyland. *Act. Soc. Sc. Fenn.* 199, 4, ♂ var.  
 HAB.—Britain.

## 19. HALICTUS PRASINUS.

- Halictus prasinus*, Smith, *Zool.* vi. 2169, 18.  
 HAB.—Bournemouth Wales.

## 20. HALICTUS LUGUBRIS.

B. M.

- Melitta lugubris*, Kirby, *Mon. Ap. Angl.* ii. 31, 86, ♂.  
*Melitta lævigata*, Kirby, *Mon. Ap. Angl.* ii. 75, 32, ♀.  
*Halictus lævigatus*, St. Farg. *Hist. Nat. Ins.* ii. 274, 12, ♀.  
*Halictus lugubris*, Smith, *Zool.* vi. 2169, 19, ♂, ♀.  
 HAB.—Britain.

## 21. HALICTUS FULVICORNIS.

B. M.

- Melitta fulvicornis*, Kirby, *Mon. Ap. Angl.* ii. 67, 27, ♂.  
*Halictus fulvicornis*, Smith, *Zool.* vi. 2170, 20.  
 HAB.—London district.

## 22. HALICTUS LEUCOZONIUS.

B. M.

- Apis leucozonias*, Schrank, *Ins. Aust.* 406, 319, ♀. Rossi, *Mant.*  
 319.  
*Melitta leucozonias*, Kirby, *Mon. Ap. Angl.* ii. 76, 33, ♂, ♀.  
*Halictus leucozonius*, St. Farg. *Hist. Nat. Ins.* ii. 275, 13, ♂, ♀.  
 Nyland. *Act. Soc. Sc. Fenn.* 199, 3. Smith, *Zool.* vi. 2171,  
 21.  
 HAB.—Britain.

## 23. HALICTUS ZONULUS.

- Halictus zonulus*, Smith, *Zool.* vi. 2171, 22, ♂, ♀.  
 HAB.—London district, Bristol, Scotland.

## 24. HALICTUS MACULATUS.

*Halictus maculatus*, *Smith, Zool.* vi. 2172, 23, ♀.

HAB.—Cove Common Hants.

## 25. HALICTUS QUADRINOTATUS.

B. M.

*Melitta quadrinotata*, *Kirby, Mon. Ap. Angl.* ii. 79, 35, ♂, ♀.

*Halictus quadrinotatus*, *Smith, Zool.* vi. 2173, 24.

HAB.—Britain.

## 26. HALICTUS XANTHOPUS.

B. M.

*Melitta xanthopus*, *Kirby, Mon. Ap. Angl.* ii. 78, 34, ♂, ♀.

*Lasioglossum tricingulum*, *Curtis, Brit. Ent.* x. t. 418, ♂.

*Halictus xanthopus*, *St. Farg. Hist. Nat. Ins.* ii. 273, 10, ♂, ♀.

*Smith, Zool.* vi. 2173, 25.

HAB.—Brighton and places near the Coast.

## 27. HALICTUS SEXNOTATUS.

B. M.

*Melitta sexnotata*, *Kirby, Mon. Ap. Angl.* ii. 82, 37, t. 15, f. 7, 8, ♂, ♀.

*Halictus sexnotatus*, *Walken. Mem. Halict.* 72. *St. Farg. Hist. Nat. Ins.* ii. 273, 11. *Smith, Zool.* vi. 2174, 26.

HAB.—Weybridge, and Barham Suffolk.

## 5. ANDRENA.

*Apis*, pt., *Linn. Syst. Nat.* i. 953, 1766.

*Andrena*, pt., *Fab. Syst. Ent.* 376, 1793.

*Nomada*, pt., *Fab. Ent. Syst.* ii. 345, 1793.

*Melitta*, pt., *Kirby, Mon. Ap. Angl.* i. 140, 1802.

Div. A. *Clypeus of the Males luteous.*

## 1. ANDRENA HÆMORRHOIDALIS.

B. M.

*Melitta hæmorrhoidalis*, *Kirby, Mon. Ap. Angl.* ii. 141, 81, ♂, ♀.

*Melitta Lathamana*, *Kirby, Mon. Ap. Angl.* ii. 83, 38, ♀ var.

*Andrena hæmorrhoidalis*, *Smith, Zool.* v. 1664, 1, ♂, ♀.

HAB.—Darent, Erith, and Birch Wood Kent, Devon.

## 2. ANDRENA FULVESCENS.

B. M.

*Melitta fulvescens*, Kirby, *MSS.*

*Andrena fulvescens*, Smith, *Zool.* v. 1732, 10.

HAB.—London district and Hants.

## 3. ANDRENA CHRYSOSCELES.

B. M.

*Melitta chrysoceles*, Kirby, *Mon. Ap. Angl.* 143, 82.

*Andrena chrysoceles*, Nyland. *Act. Soc. Sc. Fenn.* 218, 15. Smith,  
*Zool.* v. 1917, 47.

HAB.—Britain.

## 4. ANDRENA LABIALIS.

B. M.

*Melitta labialis*, Kirby, *Mon. Ap. Angl.* ii. 148, 87, ♂.

*Andrena labialis*, Smith, *Zool.* v. 1921, ♂, ♀.

HAB.—Hampstead, Highgate, and North of England.

## 5. ANDRENA SEPARATA.

*Andrena separata*, Smith, *Zool.* v. 1922, 55.

HAB.—Highgate.

## 6. ANDRENA FRONTALIS.

*Andrena frontalis*, Smith, *Zool.* vii. *App.* 59.

HAB.—Devonshire.

## 7. ANDRENA ANALIS.

*Andrena analis*, Panz. *Faun. Germ.* 90, 15, ♂. Smith, *Zool.*  
v. 1920, 53, ♂, ♀.

*Andrena tarsata*, Nyland. *Act. Soc. Sc. Fenn.* 223, 22, ♂.

HAB.—Penmansheil Wood, Cockburnspath, Berwick; Ireland.

## 8. ANDRENA COITANA.

B. M.

*Melitta Coitana*, Kirby, *Mon. Ap. Angl.* ii. 147, 86, ♂.

*Andrena Coitana*, Smith, *Zool.* v. 1919, 51, ♂, ♀.

*Andrena nana*, Nyland. *Act. Soc. Sc. Fenn.* ♂.

HAB.—Kirkpatrick Juxta, Moffat, N. B.

9. ANDRENA ~~LABIATA~~ *cingulata*.

B. M.

~~Andrena labiata, Fab. Ent. Syst. ii. 308, 5, ♂.~~Nomada cingulata, *Fab. Ent. Syst. ii. 349, 15, ♀. Rossi, Mant. 326.*Apis albilabris, *Panz. Faun. Germ. 56, 23, ♂.*Apis sphegoides, *Panz. Faun. Germ. 56, 24, ♀.*Melitta cingulata, *Kirby, Mon. Ap. Angl. ii. 88, 41, ♂, ♀.*Andrena cingulata, *St. Farg. Hist. Nat. Ins. ii, 257, 29. Nyland. Act. Soc. Sc. Fenn. 210, 3. Smith, Zool. v. 1668, 5.*

HAB.—London district, &amp;c.

Div. B. *Abdomen of one or both sexes red, or banded with red.*

## 10. ANDRENA CETII.

B. M.

Apis Cetii, *Schrank, Ins. Aust. 405, 818, ♀.*Andrena marginata, *Fab. Ent. Syst. ii. 309, 10, ♀.*Nomada Hattorfiana, *Fab. Ent. Syst. ii. 349, 18, var. ♀.*Andrena marginata, *Panz. Faun. Germ. 72, 15, ♀.*Melitta Schrankella, *Kirby, Mon. Ap. Angl. ii. 90, 42, ♀.*Andrena marginata, *St. Farg. Hist. Nat. Ins. ii. 255, 26, ♀. Nyland. Act. Soc. Sc. Fenn. 209, 2.*Andrena Cetii, *Smith, Zool. v. 1668, 6, ♂, ♀.*

HAB.—Arundel, Sussex; Barham, Suffolk.

## 11. ANDRENA EXIMIA.

B. M.

Andrena eximia, *Smith, Zool. v. 1930, 70, ♂.*Andrena Rosæ, *Smith, Zool. v. 1665, 2, ♀, not var. 2, 3, 4, not Panz.*Andrena spinigera, *Smith, Zool. v. 1670, 7, ♂ var. 3, not Kirby.*Andrena eximia, *Smith, Zool. vi. 2211, ♀.*

HAB.—Hastings; Pembury, and Bexley, Kent.

## 12. ANDRENA ROSÆ.

B. M.

Andrena Rosæ, *Panz. Faun. Germ. 74, 10. Spin. Ins. Lig. ii. 192, 19.*Melitta Rosæ, *Kirby, Mon. Ap. Angl. ii. 83, 39, ♀ var. β.*Melitta zonalis, *Kirby, Mon. Ap. Angl. ii. 87, 40, ♂.*Andrena Rosæ, *Smith, Zool. v. 1665, 2, var. 2, 3, 4, ♀.*

HAB.—Darenth Wood; and Shirley, Surrey.



## 13. ANDRENA RUBRICATA.

B. M.

Melitta Rosæ, *Kirby, Mon. Ap. Angl.* ii. 85, var.  $\delta$ ,  $\epsilon$ ,  $\varphi$ , and the  $\sigma$  described.

*Andrena rubricata*, *Smith, Zool.* v. 1666, 3.

HAB.—Highgate; and Blackwater, Hants.

## 14. ANDRENA DECORATA.

*Andrena decorata*, *Smith, Zool.* v. 1667, 4.

HAB.—Birch Wood, Kent.

## 15. ANDRENA SPINIGERA.

Melitta spinigera, *Kirby, Mon. Ap. Angl.* ii. 123, 63,  $\sigma$ .

*Andrena spinigera*, *Smith, Zool.* v. 1669, 7, not var. 3,  $\sigma$ .

HAB.—Barham Suffolk; Highgate, Epping and Hammersmith.

## 16. ANDRENA FEROX.

*Andrena ferox*, *Smith, Zool.* v. 1670, 8.

HAB.—Windsor.

Div. C. *Segments of the Abdomen without marginal fasciæ.*

## 17. ANDRENA FULVAGO.

B. M.

*Apis fulvago*, *Christ. Hym.* 189, t. 16, f. 7,  $\varphi$ .

Melitta fulvago, *Kirby, Mon. Ap. Angl.* ii. 93, 44.

*Andrena fulvago*, *St. Farg. Hist. Nat. Ins.* ii. 243, 11. *Smith, Zool.* v. 1732, 9.

HAB.—London district; and Hawley, Hants.

## 18. ANDRENA POLITA.

*Andrena polita*, *Smith, Zool.* v. 1733, 11.

HAB.—Gravesend.

## 19. ANDRENA ALBICANS.

B. M.

*Apis hæmorrhoidalis*, *Christ. Hym.* 189, t. 16, f. 8?

*Melitta albicans*, *Kirby, Mon. Ap. Angl.* ii. 94, 45.

*Andrena albicans*, *St. Farg. Hist. Nat. Ins.* ii. 242, 10. *Nyland. Act. Soc. Sc. Fenn.* 215, 11. *Smith, Zool.* v. 1734, 12.

HAB.—Britain.

## 20. ANDRENA PILIPES.

B. M.

*Apis atra*, *Schrank, Ins. Aust.* 403, 814?

*Andrena pilipes*, *Fab. Mant.* 298, 13. *St. Farg. Hist. Nat. Ins.* ii. 236, 3. *Nyland. Act. Soc. Sc. Fenn.* 210, 4.

*Apis carbonaria*, *Christ. Hym.* 201, t. 17, f. 13.

*Andrena carbonaria*, *Fab. Ent. Syst.* ii. 312, 22.

*Andrena aterrima*, *Panz. Faun. Germ.* 64, 19. *Latr. Hist. Nat.* xiii. 363, 3.

*Melitta pilipes*, *Kirby, Mon. Ap. Angl.* ii. 96, 46, ♀.

*Melitta pratensis*, *Kirby, Mon. Ap. Angl.* ii. 100, 48, ♂.

*Andrena pratensis*, *Nyland. Act. Soc. Sc. Fenn.* 211, 5, ♂, ♀.

*Andrena atra*, *Smith, Zool.* v. 1734, 13.

HAB.—Kent.

## 21. ANDRENA CINERARIA.

B. M.

*Apis cineraria*, *Linn. Faun. Suec.* 420, 1688, and *Cab. Mus. Linn. Soc. Fab. Ent. Syst.* ii. 329, 67.

*Apis atra*, *Christ. Hym.* 174, t. 14, f. 1. *Panz. Faun. Germ.* 56, 14.

*Apis cinerea*, *Fourc. Ins. Paris*, ii. 444, 8.

*Melitta cineraria*, *Kirby, Mon. Ap. Angl.* ii. 98, 47.

*Andrena cineraria*, *Latr. Hist. Nat.* xiii. 362, 1. *St. Farg. Hist. Nat. Ins.* ii. 238, 6. *Nyland. Act. Soc. Sc. Fenn.* 211, 6. *Smith, Zool.* v. 1735, 14.

HAB.—Britain.

## 22. ANDRENA THORACICA.

B. M.

*Apis thoracica*, *Fab. Syst. Ent.* 383, 31, ♀. *Schrank, Ins. Aust.* 178, t. 14, f. 6.

*Apicis assiduus*, *Harris, Expos.* 138, t. 40, f. 19.

*Apis bicolor*, *Rossi, Faun. Etrus.* ii. 97, 896. *Christ. Hym.* 178, t. 14, f. 6, ♂.

*Andrena bicolor*, *Panz. Faun. Germ.* 65, 19, ♂.

*Melitta thoracica*, *Mon. Ap. Angl.* ii. 101, 49, ♀.

*Melitta melanocephala*, *Kirby, Mon. Ap. Angl.* ii. 103, 50, ♂ var.

*Andrena thoracica*, *Fab. Syst. Piez.* 322, 3. *Spin. Ins. Lig.* i. 120, 5. *St. Farg. Hist. Nat. Ins.* ii. 239, 7. *Smith, Zool.* v. 1735, 15.

HAB.—Kent and Hants.

### 23. ANDRENA NITIDA.

B. M.

*Apis nitida*, *Fourc. Ent. Par.* ii. 443, 2.

*Melitta nitida*, *Kirby, Mon. Ap. Angl.* ii. 104, 51. *St. Farg. Hist. Nat. Ins.* ii. 237, 5. *Smith, Zool.* v. 1736, 16, not the nitida of *Fab. & Panz.*

HAB.—Britain.

### 24. ANDRENA CONSIMILIS.

*Andrena consimilis*, *Smith, Zool.* v. 1736, 17.

HAB.—Coombe Wood, Surrey.

### 25. ANDRENA VITREA.

*Andrena vitrea*, *Smith, Zool.* v. 1737, 18.

HAB.—Locality not known.

### 26. ANDRENA ATRICEPS.

B. M.

*Melitta atriceps*, *Kirby, Mon. Ap. Angl.* ii. 114, 55, ♂.

*Melitta tibialis*, *Kirby, Mon. Ap. Angl.* ii. 107, 52, ♀.

*Andrena tibialis*, *Smith, Zool.* v. 1737, 19, ♀, ♀.

HAB.—Britain.

### 27. ANDRENA MOUFFETELLA.

*Melitta Mouffetella*, *Kirby, Mon. Ap. Angl.* ii. 108, 53.

*Andrena Mouffetella*, *Smith, Zool.* v. 1738, 20.

HAB.—Holdershot Common, Hants; and Barham, Suffolk.

## 28. ANDRENA NIGROÆNEA.

B. M.

Melitta nigroænea, *Kirby*, ii. 109, 54, ♀.

*Andrena nigro-ænea*, *Smith*, *Zool.* v. 1739, 21, ♂, ♀.

HAB.—Britain.

## 29. ANDRENA BIMACULATA.

B. M.

Melitta bimaculata, *Kirby*, *Mon. Ap. Angl.* ii. 115, 56.

*Andrena bimaculata*, *Smith*, *Zool.* v. 1739, 22.

HAB.—Barham, Suffolk.

## 30. ANDRENA TRIMMERANA.

B. M.

Melitta Trimmerana, *Kirby*, *Mon. Ap. Angl.* ii. 116, 57, ♀.

*Andrena Trimmerana*, *Smith*, *Zool.* v. 1740, 23, ♂, ♀.

HAB.—Britain.

## 31. ANDRENA LONGIPES.

B. M.

*Andrena longipes*, *Shuck. MSS.* *Smith*, *Zool.* v. 1740, 24, ♂, ♀.

*Andrena bucephala*, *Steph. Mand.* vii. *Supp.* 17, var. ♂, t. 43, f. 4.

HAB.—Highgate Archway, and Hampstead Heath.

## 32. ANDRENA VARIANS.

B. M.

*Apis varians*, *Rossi*, *Mant.* 317. *Panz. Faun. Germ.* 56, 12.

Melitta varians, *Kirby*, *Mon. Ap. Angl.* ii. 117, 58.

*Andrena Lapponica*, *Zett. Ins. Lapp.* 460, 4?

*Andrena varians*, *Nyland. Act. Soc. Sc. Fenn.* 213, 9. *Smith*, *Zool.* v. 1741, 25.

HAB.—Britain.

## 33. ANDRENA HELVOLA.

B. M.

*Apis helvola*, *Linn. Syst. Nat.* i. 955, 16, and *Cab. Mus. Linn. Soc. Fab. Ent. Syst.* ii. 310, 11.

Melitta helvola, *Kirby*, *Mon. Ap. Angl.* ii. 119, 59, t. 15, f. 9, ♀.

*Andrena helvola*, *Smith*, *Zool.* v. 1742, 26, ♂, ♀.

HAB.—Britain.

## 34. ANDRENA GWYNANA.

B. M.

*Apis helvola*, (p.) *Linn. Faun. Suec. Descr. and var. Cab. Mus. Linn. Soc. Rossi, Faun. Etrus.* ii. 97, 895.

*Melitta Gwynana*, *Kirby, Mon. Ap. Angl.* ii. 120, 60.

*Andrena Gwynana*, *Nyland. Act. Soc. Sc. Fenn.* 213, 8. *Smith, Zool.* v. 1742, 27.

HAB.—Britain.

## 35. ANDRENA ÆSTIVA.

*Andrena proxima*, *Smith, Zool.* v. 1743, 28.

*Andrena consimilis*, *Smith, Zool.* vi. 2214.

*Andrena æstiva*, *Smith, Zool.* vii. *Appen.* 60.

HAB.—Weybridge, &c., and Scotland.

## 36. ANDRENA FUCATA.

*Andrena fucata*, *Smith, Zool.* v. 1743, 29.

HAB.—London district; Bristol; Scotland.

## 37. ANDRENA DISTINCTA.

*Andrena distincta*, *Smith, Zool.* v. 1744, 30.

HAB.—Locality not known.

## 38. ANDRENA CONJUNCTA.

*Andrena conjuncta*, *Smith, Zool.* v. 1744, 31.

HAB.—Highgate.

## 39. ANDRENA ANGUSTIOR.

B. M.

*Melitta angustior*, *Kirby, Mon. Ap. Angl.* ii. 122, 61.

*Andrena angustior*, *Smith, Zool.* v. 1745, 32.

HAB.—Plumstead Wood, Kent.

## 40. ANDRENA PICICORNIS.

*Melitta picicornis*, *Kirby, Mon. Ap. Angl.* ii. 123, 62.

*Andrena picicornis*, *Smith, Zool.* v. 1745, 33.

HAB.—Hawley, Hants; and Barham, Suffolk.

## 41. ANDRENA PICIPES.

Melitta picipes, *Kirby, Mon. Ap. Angl.* ii. 127, 66.

Andrena picipes, *Smith, Zool.* v. 1746, 34.

HAB.—Locality not known.

## 42. ANDRENA FULVA.

B. M.

Apis fulva, *Schrank, Ins. Aust.* 400, 805.

Apis vestita, *Fab. Ent. Syst.* ii. 329, 65. *Panz. Faun. Germ.* 55, 9.

Apis vulpina, *Christ. Hym.* 161, 12, 13.

Melitta fulva, *Kirby, Mon. Ap. Angl.* ii. 128, 68, ♀.

Melitta armata, *Kirby, Mon. Ap. Angl.* ii. 121, 64, ♂.

Andrena vestita, *Latr. Hist. Nat.* xiii. 362, 2, ♀. *Fab. Syst. Piez.* 323, 4, ♀. *Coqueb. Ill. Ic. Ins.* 25, t. 6, f. 7, ♀. *Spin. Ins. Lig.* ii. 191, 4, ♀.

Andrena fulva, *St. Farg. Hist. Nat. Ins.* ii. 245, 14, ♀. *Nyland. Act. Soc. Sc. Fenn.* 214, 10, ♀. *Smith, Zool.* v. 1746, 35, ♂, ♀.

HAB.—Britain.

## 43. ANDRENA BICOLOR.

B. M.

Andrena bicolor, *Fab. Ent. Syst.* ii. 310, 12, ♀. *St. Farg. Hist. Nat. Ins.* ii. 243, 12, ♀.

Andrena lucida, *Panz. Faun. Germ.* 56, 1, ♀.

Melitta Clarkella, *Kirby, Mon. Ap. Angl.* ii. 130, 69, ♀.

Andrena dispar, *Zett. Ins. Lapp.* 460, 2, ♀.

Andrena Clarkella, *Nyland. Act. Soc. Sc. Fenn.* 212, 7, ♀. *Smith, Zool.* v. 1747, 36, ♂, ♀.

HAB.—London district; also in Scotland.

## 44. ANDRENA SMITHELLA.

Melitta Smithella, *Kirby, Mon. Ap. Angl.* ii. 131, 70.

Andrena Smithella, *Smith, Zool.* v. 1748, 37.

HAB.—Bristol; and Barham, Suffolk.

## 45. ANDRENA APICATA.

*Andrena apicatus*, *Smith, Zool.* v. 1748, 38.

HAB.—Bristol; and Birch Wood, Kent.

## 46. ANDRENA NIGRICEPS.

B. M.

*Melitta nigriceps*, *Kirby, Mon. Ap. Angl.* ii. 134, 73, ♀, not the ♂.

*Andrena nigriceps*, *Smith, Zool.* v. 1749, 40, ♀.

HAB.—Bournemouth, Hants; and Barham, Suffolk.

## 47. ANDRENA LACINIA.

*Andrena lacinia*, *Smith, Zool.* v. 1751, 44.

HAB.—Locality not known.

## 48. ANDRENA APRILINA.

*Andrena Aprilina*, *Smith, Zool.* vi. 2211.

HAB.—Bournemouth, Hants.

## 49. ANDRENA PILOSULA.

*Melitta pilosula*, *Kirby, Mon. Ap. Angl.* ii. 164, 104.

*Andrena pilosula*, *Smith, Zool.* v. 1926, 65.

HAB.—London district, &c.

## 50. ANDRENA CONSTRICTA.

*Andrena constrictus*, *Smith, Zool.* vii. *App.* 59.

HAB.—Kirkpatrick Juxta, Moffat, N. B.

Div. D. *Segments of the Abdomen with white, or pale marginal fasciæ.*

## 51. ANDRENA TRIDENTATA.

*Melitta tridentata*, *Kirby, Mon. Ap. Angl.* ii. 132, 71.

*Andrena bidentata*, *Smith, Zool.* v. 1749 and vi. 2214.

HAB.—London district, and Southend; Melton, Suffolk.

52. *ANDRENA ARTICULATA*.

*Andrena articulata*, *Smith, Zool.* v. 1750, 41.

HAB.—Hampstead.

53. *ANDRENA PUBESCENS*.

B. M.

*Apis pubescens*, *Fab. Ent. Syst.* ii. 336, 95, ♂.

*Melitta pubescens*, *Kirby, Mon. Ap. Angl.* ii. 141, 80, ♂.

*Melitta fuscipes*, *Kirby, Mon. Ap. Angl.* ii. 136, 75, ♀.

*Andrena cincta*, *Nyland. Act. Soc. Sc. Fenn.* 220, 18, ♂, ♀.

*Andrena fuscipes*, *Smith, Zool.* v. 1751, 43, ♂, ♀.

HAB.—Hants; Weybridge; on Heaths.

54. *ANDRENA DENTICULATA*.

*Melitta denticulata*, *Kirby, Mon. Ap. Angl.* ii. 133, 72, ♂.

*Melitta Listerella*, *Kirby, Mon. Ap. Angl.* ii. 137, 76, ♀.

*Andrena Listerella*, *Nyland. Act. Soc. Sc. Fenn.* 219, 17, ♀, ♂ ?  
*Smith, Zool.* v. 1752, 45, ♂, ♀.

HAB.—Southend; Gravesend; and Barham, Suffolk.

55. *ANDRENA SIMILIS*.

B. M.

*Andrena similis*, *Smith, Zool.* vii. *App.* 60.

HAB.—Bristol.

56. *ANDRENA FULVICRUS*.

B. M.

*Melitta fulvicrus*, *Kirby, Mon. Ap. Angl.* ii. 138, 77, ♂, ♀.

*Melitta contigua*, *Kirby, Mon. Ap. Angl.* ii. 140, 79, ♂ var.

*Andrena fulvicrus*, *Smith, Zool.* v. 1916, 46.

HAB.—Britain.

57. *ANDRENA EXTRICATA*.

*Andrena extricatus*, *Smith, Zool.* vii. *App.* 59.

HAB.—Weymouth, Dorset.



58. *ANDRENA KIRBII*.

*Andrena Kirbii*, *Curtis, Brit. Ent. iii. t. 129. Smith, Zool. v. 1922, 56.*

HAB.—Norwich?

59. *ANDRENA DORSATA*.

*Melitta dorsata*, *Kirby, Mon. Ap. Angl. ii. 144, 83.*  
*Andrena dorsata*, *Smith, Zool. v. 1918, 48.*

HAB.—Weybridge, Surrey.

60. *ANDRENA WILKELLA*.

*Melitta Wilkella*, *Kirby, Mon. Ap. Angl. ii. 145, 84.*  
*Andrena Wilkella*, *Smith, Zool. v. 1918, 49.*

HAB.—London district.

61. *ANDRENA ARGENTATA*.

B. M.

*Andrena argentata*, *Smith, Zool. v. 1920, 52.*

HAB.—Sandhurst, Weybridge and Parley Heath.

62. *ANDRENA COLLINSONANA*.

B. M.

*Melitta Collinsonana*, *Kirby, Mon. Ap. Angl. ii. 153, 93, ♂.*

*Melitta proxima*, *Kirby, Mon. Ap. Angl. ii. 146, 85, ♀.*

*Melitta digitalis*, *Kirby, Mon. Ap. Angl. ii. 159, 99, ♀, var.*

*Andrena proxima*, *Smith, Zool. v. 1918, 50.*

HAB.—Weybridge and Bristol.

63. *ANDRENA LEWINELLA*.

*Melitta Lewinella*, *Kirby, Mon. Ap. Angl. ii. 149, 88, ♂.*

*Andrena Lewinella*, *Smith, Zool. v. 1923, 57.*

HAB.—Barham, Suffolk.

## 64. ANDRENA COMBINATA.

B. M.

Melitta combinata, *Kirby, Mon. Ap. Angl.* ii. 153, 94.

Melitta nudiuscula, *Kirby, Mon. Ap. Angl.* ii. 155, 95, var.

*Andrena combinata, Smith, v. 1923, 58.*

*Andrena barbatula, Nyland. Act. Soc. Sc. Fenn.* 218, 16 ♀ ?

HAB.—London district; Weybridge.

## 65. ANDRENA ALBICRUS.

B. M.

Melitta albicus, *Kirby, Mon. Ap. Angl.* ii. 156, 96.

Melitta barbilabris, *Kirby, Mon. Ap. Angl.* ii. 151, 91, var. ♂ ?

*Andrena albicus, Smith, Zool.* v. 1924, 59.

HAB.—Britain.

## 66. ANDRENA CONNECTENS.

Melitta connectens, *Kirby, Mon. Ap. Angl.* ii. 157, 97.

*Andrena connectens, Smith, Zool.* v. 1924, 60.

HAB.—Barham, Suffolk; and London district.

## 67. ANDRENA MINUTULA.

B. M.

Melitta minutula, *Kirby, Mon. Ap. Angl.* ii. 161, 101.

*Andrena minutula, Smith, Zool.* v. 1925, 61.

HAB.—Britain.

## 68. ANDRENA NANA.

Melitta nana, *Kirby, Mon. Ap. Angl.* ii. 161, 102.

*Andrena nana, Nyland. Act. Soc. Sc. Fenn.* 221, 19, ♀. *Smith, Zool.* v. 1925, 62.

HAB.—Britain.

## 69. ANDRENA PARVULA.

B. M.

Melitta parvula, *Kirby, Mon. Ap. Angl.* ii. 162, 103.

*Andrena parvula, Smith, Zool.* v. 1925, 63.

HAB.—Britain.

## 70. ANDRENA SHAWELLA.

B. M.

Melitta Shawella, *Kirby, Mon. Ap. Angl.* ii. 160, 100.Andrena Shawella, *Smith, Zool.* v. 1926, 64.

HAB.—Southend, Gravesend, &amp;c.

## 71. ANDRENA CONVEXIUSCULA.

B. M.

Melitta convexiuscula, *Kirby, Mon. Ap. Angl.* ii. 166, 106.Andrena convexiuscula, *Smith, Zool.* v. 1927, 66.

HAB.—Glanville's Wootton, Dorset; Hawley, Hants; and Bantham, Devon.

## 72. ANDRENA XANTHURA.

B. M.

Melitta xanthura, *Kirby, Mon. Ap. Angl.* ii. 164, 105, ♀.Melitta ovatula, *Kirby, Mon. Ap. Angl.* ii. 149, 89, ♂, var.Melitta contigua, *Kirby, Mon. Ap. Angl.* ii. 140, 79, ♂, var.?Andrena xanthura, *Smith, Zool.* v. 1928, 67.

HAB.—Britain.

## 73. ANDRENA FUSCATA.

B. M.

Melitta fuscata, *Kirby, Mon. Ap. Angl.* ii. 167, 107, ♀.Andrena fuscata, *Smith, Zool.* v. 1929, 68, ♂, ♀.

HAB.—Hampstead Heath, &amp;c.

## 74. ANDRENA AFZELIELLA.

B. M.

Melitta Afzeliella, *Kirby, Mon. Ap. Angl.* ii. 169, 108, ♀.Andrena Afzeliella, *Smith, Zool.* v. 1929, 69, ♂, ♀.

HAB.—Britain.

## 6. CILISSA.

Andrena, pt., *Fab. Ent. Syst.* ii. 307, 1793.Melitta, pt., *Kirby, Mon. Ap. Angl.* i. 140, \* \* e, 1802.Cilissa, *Leach, Edin. Enc.* 9, 1812.Kirbya, *St. Farg. Hist. Nat. Ins.* ii. 145, 1841.

## 1. CILISSA HÆMORRHODALIS.

B. M.

*Andrena hæmorrhoidalis*, *Fab. Ent. Syst.* ii. 313, 25. *Panz. Faun. Germ.* 65, 20. *Zett. Ins. Lapp.* 459, 1.

*Melitta chrysuræ*, *Kirby, Mon. Ap. Angl.* ii. 172, 110. *St. Farg. Hist. Nat. Ins.* ii. 214, 2.

*Cilissa hæmorrhoidalis*, *Leach, Edin. Enc.* ix. 155. *Smith, Zool.* vi. 2207, 1.

*Kirbya chrysuræ*, *St. Farg. Hist. Nat. Ins.* ii. 146, 2!! *Nyland. Act. Soc. Sc. Fenn.* i. 246, 1.

HAB.—Barham, Suffolk; Shirley, Surrey; and Bristol.

## 2. CILISSA TRICINCTA.

B. M.

*Melitta tricincta*, *Kirby, Mon. Ap. Angl.* ii. 171, 109. *St. Farg. Hist. Nat. Ins.* ii. 213, 1.

*Cilissa tricincta*, *Leach, Edin. Enc.* ix. 155. *Smith, Zool.* vi. 2208, 2.

*Kirbya tricincta*, *St. Farg. Hist. Nat. Ins.* ii. 145, 1!! *Nyland. Adnot. Ap. Boreal. Sällsk. Faun. Flo. Fenn.* ii. *Supp.* ♀.

HAB.—Hampstead, Charlton, Gravesend, &c.

## 7. MACROPIS.

*Megilla*, *Dufour, Ann. Soc. Ent. Fr.* vii. ♂, ♀, 1838.

*Andrena*, *Latr. Gen. Crust. Ins.* iv. 151, sec. 2, gen. 542, 1809.

*Scapter*, *St. Farg. Hist. Nat. Ins.* ii. 260, 1841.

*Macropis*, *Klug, MSS. Panz. Faun. Germ.* 107, 16, 1809.

## 1. MACROPIS LABIATA.

B. M.

*Macropis labiata*, *Panz. Faun. Germ.* 107, 16, ♂. *Smith, Zool.* iv. 1279, 1, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* ♂, ♀, i. 248, 1.

*Andrena lagopus*, *Latr. Gen. Crust. Ins.* iv. 151, 2, ♀?

*Scapter lagopus*, *St. Farg. Hist. Nat. Ins.* ii. 261, 2, ♀?

HAB.—New Forest, Leicester, and Weybridge.

## 8. DASYPODA.

*Andrena*, pt., *Fab. Ent. Syst.* ii. 307, 1793.

*Melitta*, pt., *Kirby, Mon. Ap. Angl.* i. 140, \*\* e, 1802.

*Dasyпода*, *Latr. Hist. Nat.* xiii. 369, 1805.

## 1. DASYPODA HIRTIPES.

B. M.

- Andrena hirtipes*, *Fab. Ent. Syst.* ii. 312, 24, ♀.  
*Andrena hirta*, *Fab. Ent. Syst.* ii. 335, 92.  
*Andrena plumipes*, *Panz. Faun. Germ.* 46, 16, ♀ ?  
*Andrena farfarisequa*, *Panz. Faun. Germ.* 55, 14, ♂.  
*Melitta Swammerdamella*, *Kirby, Mon. Ap. Angl.* ii. 174, 111, ♂, ♀.  
*Dasyпода hirtipes*, *Latr. xiii.* 369, 1. *St. Farg. Hist. Nat. Ins.* ii. 229, 1. *Nyland. Act. Soc. Sc. Fenn.* i. 225, 1. *Smith, Zool.* vi. 2241, 1.  
*Trachusa hirtipes*, *Jurine, Hym.* 250.  
*Dasyпода plumipes*, *Leach, Edin. Enc.* ix. 155.  
 HAB.—Barham, Suffolk; Charlton and Birch Wood, Kent; South-end; Budleigh Salterton, Devon; Isle of Wight, &c.

## 9. PANURGUS.

- Apis*, pt., *Scop. Ent. Carn.* 298, 1763.  
*Philanthus*, pt., *Fab. Ent. Syst.* ii. 288, 1793.  
*Andrena*, pt., *Panz. Faun. Germ.* 69, 1800.  
*Trachusa*, pt., *Panz. Faun. Germ.* 96, 1800.  
*Dasyпода*, pt., *Fab. Syst. Piez.* 335, 1804.  
*Panurgus*, *Panz. Krit. Revis.* 211, 1805.  
*Eriops*, *Klug, Illig. Mag.* vi. 1806.

## 1. PANURGUS CALCARATUS.

B. M.

- Apis calcarata*, *Scop. Ent. Carn.* 301, 803, ♂.  
*Philanthus ater*, *Fab. Ent. Syst.* ii. 292, 13, ♂.  
*Apis ursina*, *Kirby, Mon. Ap. Angl.* ii. 178, 1, var. β, ♀.  
*Apis Linnæella*, *Kirby, Mon. Ap. Angl.* ii. 179, 2, ♂.  
*Andrena lobata*, *Panz. Faun. Germ.* 72, 16, ♂.  
*Dasyпода lobata*, *Fab. Syst. Piez.* 336, 3, ♂.  
*Trachusa lobata*, *Panz. Faun. Germ.* 96, 18, ♂.  
*Panurgus ater*, *Panz. Krit. Revis.* 211, ♂.  
*Panurgus lobatus*, *Latr. Enc.* viii. 719, 3, ♂, ♀. *St. Farg. Hist. Nat. Ins.* ii. 225, 2, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 225, 2, ♂, ♀.  
*Panurgus calcaratus*, *Smith, Zool.* iv. 1452, 2, ♂, ♀.

HAB.—Blackheath, Darent, Weybridge; and Hawley, Hants.

## 2. PANURGUS BANKSIANA.

B. M.

*Apis Banksiana*, Kirby, *Mon. Ap. Angl.* ii. 179, 3, and *Cab. Mus. Ent. Soc.* ♂. *Don. Brit. Ins.* xii. 26, t. 403, f. 2.

*Apis ursina*, Kirby, *Mon. Ap. Angl.* ii. 178, 1, not var. β, and *Cab. Mus. Ent. Soc.* ♀.

*Dasyroda ursina*, Latr. *Hist. Nat.* xiii. 370, 2, ♀.

*Trachusa atra*, Panz. *Faun. Germ.* 69, 19, ♂.

*Panurgus ater*, Latr. *Enc.* viii. 720, 5, ♂, ♀. *St. Farg. Hist. Nat. Ins.* ii. 226, 4. *Nyland. Act. Soc. Sc. Fenn.* i. 224, 1.

*Panurgus ursinus*, Curtis, *Brit. Ent.* iii. t. 101. *Smith, Zool.* iv. 1051, 1.

HAB.—Hampstead Heath; and Heaths generally.

## 10. MEGACHILE.

*Apis*, pt., *Linn. Faun. Suec.* 419, 1761.

*Anthophora*, pt., *Fab. Syst. Piez.* 372, 1804.

*Megachile*, pt., *Latr. Hist. Nat.* xiv. 51, 1805.

## 1. MEGACHILE CENTUNCULARIS.

B. M.

*Apis centuncularis*, *Linn. Faun. Suec.* 1687, nec *Linn. Cab. Scop. Ent. Carn.* 799. *Fab. Syst. Ent.* 385, 42. *Fourc. Ent. Par.* ii. 443, 5. *Schäff. Icon.* t. 262, f. 6, 7. *Rossi, Faun. Etrus.* 927. *Christ. Hym.* 165, t. 13, f. 5. *Kirby, Mon. Ap. Angl.* ii. 237, 42.

*Apicis fastuosus*, Harris, *Expos.* 165, 13, t. 50, f. 13?

*Megachile centuncularis*, *Latr. Ins.* iii. 383. *Spin. Ins. Lig.* i. 142, 10. *St. Farg. Hist. Nat. Ins.* ii. 337, 12. *Nyland. Act. Soc. Sc. Fenn.* i. 258, 4. *Smith, Zool.* ii. 695, 7.

*Anthophora centuncularis*, *Fab. Syst. Piez.* 378, 25. *Zett. Ins. Lapp.* 465, 3.

*Reaum. Ins.* vi. *Mem.* iv. t. 10, f. 2, 3, 4.

*Frisch.* xi. t. 2, f. 1—4.

*Geoff. Ins. Par.* ii. 410, 5.

HAB.—Britain; Decayed wood, old walls, and sometimes in the ground.

## 2. MEGACHILE VERSICOLOR.

*Megachile versicolor*, *Smith, Zool.* ii. 697, 9.

HAB.—Bristol, and Weybridge.

## 3. MEGACHILE LIGNISECA.

B. M.

*Apis centuncularis*, *Harris, Expos.* 162, 2, t. 49, f. 2.

*Apis centuncularis*, *Panz. Faun. Germ.* 55, 12. *Don. Brit. Ins.* iv. t. 120.

*Apis ligniseca*, *Kirby, Mon. Ap. Angl.* ii. 243, 44.

*Megachile ligniseca*, *Smith, Zool.* ii. 694, 4. *Nyland. Adnot. Ap. Boreal. Sällsk. Faun. Flo. Fenn.* ii. *Supp.* 102, ♀.

HAB.—London district, &c. Old posts, decaying trees, &c.

## 4. MEGACHILE RUFITARSIS.

*Megachile rufitarsis*, *Smith, Zool.* ii. 695, 2, ♂.

*Megachile fasciata*, *Smith, Zool.* ii. 694, 5, ♀.

*Megachile pyrina*, *St. Farg. Hist. Nat. Ins.* ii. 334, 8, ♂, ♀?

HAB.—Weybridge, Surrey.

## 5. MEGACHILE LEACHELLA.

B. M.

*Apis Leachella*, *Kirby, MSS. Steph. Syst. Cat.* 374, 5061.

*Megachile albiventris*, *Smith, Zool.* ii. 696, 8, not *Panzer*.

HAB.—Southend, Weybridge; and Little Hampton Sussex.

## 6. MEGACHILE ODONTURA.

B. M.

*Megachile odontura*, *Smith, Zool.* vii. *App.* 58.

HAB.—Spitchwick, Devon.

## 7. MEGACHILE MARITIMA.

B. M.

*Apis maritima*, *Kirby, Mon. Ap. Angl.* ii. 242, 43, ♂. ♀.

*Anthophora lagopoda*, *Panz. Faun. Germ.* 55, 7, ♂. *Fab. Syst. Piez.* 374, 9, ♂?

*Megachile maritima*, *Smith, Zool.* ii. 692, 2 (not *Apis lagapoda*, *Linn.*)

HAB.—Hampshire, and Isle of Wight.

## 8. MEGACHILE WILLUGHBIELLA.

B. M.

- Apis Willughbiella, *Kirby, Mon. Ap. Angl.* ii. 233, 41.  
 Megachile Willughbiella, *Latr. Hist. Nat.* xiv. 57, 11. *Curt. Brit. Ent.* v. t. 218. *St. Farg. Hist. Nat. Ins.* ii. 333, 5. *Smith, Zool.* ii. 691, 1. *Nyland. Act. Soc. Sc. Fenn.* i. 256, 2, not the ♀.  
 Megachile fulviventris, *Zett. Ins. Lapp.*  
 HAB.—Britain, Old Willows, &c.

## 9. MEGACHILE CIRCUMCINCTA.

B. M.

- Apis circumcincta, *Kirby, Mon. Ap. Angl.* ii. 246, 45, ♀.  
 Megachile circumcincta, *St. Farg. Hist. Nat. Ins.* ii. 335, 9. *Smith, Zool.* ii. 693, 3, ♂, ♀. *Nyland. Adnot. Ap. Boreal. Sällsk. Faun. Flo. Fenn.* ii. *Supp.* 103, ♀.  
 HAB.—London district, &c., in banks.

## 11. OSMIA.

- Apis, pt., *Linn. Syst. Nat.* 953, 1766.  
 Andrena, pt., *Fab. Syst. Ent.* ii. 307, 1793.  
 Anthophora, pt., *Fab. Syst. Piez.* 372, 1804.  
 Osmia, *Lat. Enc. Meth.* viii. 576, 1791.

## 1. OSMIA RUFa.

B. M.

- Apis rufa, *Linn. Faun. Suec.* 1690, ♂. and *Cab. Mus. Linn. Soc. Fab. Syst. Ent.* 385, 39. *Rossi, Faun. Etrus.* ii. 103, 913. *Panz. Faun. Germ.* 56, 10.  
 Apis bicornis, *Linn. Faun. Suec.* 1691, ♀, and *Cab. Mus. Linn. Soc. Fab. Syst. Ent.* 384, 38. *Christ. Hym.* 159, t. 12, f. 9. *Rossi, Mant.* 310. *Kirby, Mon. Ap. Angl.* ii. 271, 57.  
 Apicis bicornis, *Harris, Expos.* 162, t. 49, f. 4, ♀.  
 Apicis agino, *Harris, Expos.* 163, t. 49, f. 7, ♂.  
 Apis cornigera, *Rossi, Faun. Etrus.* ii. 108. 925, var. ♀.  
 Apis fronticornis, *Panz. Faun. Germ.* 63, t. 20, var. ♀.  
 Anthophora bicornis, *Fabr. Syst. Piez.* 375, 16, ♂, ♀. *Zett. Ins. Lapp.* 466, 5.  
 Anthophora fronticornis, *Fab. Syst. Piez.* 376, 17, ♀ var.



- Osmia bicornis*, *Latr. Enc. viii. 576, 3, ♂, ♀. St. Farg. Hist. Nat. Ins. ii. 314, 2. Smith, Zool. ii. 745, 5, 8. Nyland. Act. Soc. Sc. Fenn. i. 259, 1.*  
*Osmia hedera*, *Smith, Zool. ii. 747, 10, var. ♂ ?*  
*Mouche maçonne*, *Reaum. vi. Mem. iii. 86.*

2. *OSMIA AURULENTA.*

B. M.

- Apis aurulenta*, *Panz. Faun. Germ. 63, 22, ♀.*  
*Apis tunensis*, *Kirby, Mon. Ap. Angl. ii. 269, 56, not the male.*  
*Megachile tunensis*, *Latr. Hist. Nat. xiv. 58, 13, ♀.*  
*Osmia aurulenta*, *Latr. Enc. Méth. 8. 584, 19, ♀. Panz. Revis. Hym. 232. St. Farg. Hist. Nat. Ins. ii. 323, 13, ♂, ♀. Nyland. Adnot. Ap. Boreal. Sällsk. Faun. Flo. Fenn. ii. Supp. 103, ♀.*  
*Osmia tunensis*, *Smith, Zool. ii. 744, 6.*  
 HAB.—Britain; banks, old posts, and occasionally in snail-shells.

3. *OSMIA CORNUTA.*

B. M.

- Megachile cornuta*, *Latr. Hist. Nat. xiv. 59, 14. Spin. Ins. Lig. i. 146, 13.*  
*Apis bicornis*, *Oliv. Enc. Méth. iv. 169, 47, ♀.*  
*Osmia cornuta*, *Latr. Enc. Méth. viii. 575, 1. St. Farg. Hist. Nat. Ins. ii. 313, 1. Smith, Zool. vi. 2213.*  
 HAB.—Locality not known.

4. *OSMIA BICOLOR.*

B. M.

- Apis bicolor*, *Schrank, Ins. Aust. 806, ♀. Kirby, Mon. Ap. Angl. ii. 277, 58, ♀.*  
*Apis fusca*, *Christ. Hym. 182, t. 14, f. 10, ♀. Panz. Faun. Germ. 56, 11, ♀.*  
*Anthophora fusca*, *Fab. Syst. Piez. 377, 20, ♀.*  
*Osmia bicolor*, *Latr. Enc. Méth. viii. 58, 10, ♀. St. Farg. Hist. Nat. Ins. ii. 318, 7, ♂, ♀. Smith, Zool. ii. 746, 9, ♂, ♀. Nyland. Adnot. Ap. Boreal. Sällsk. Faun. Flo. Fenn. ii. Supp. 103.*  
 HAB.—London district; Bristol; in banks, occasionally in snail-shells.

## 5. OSMIA XANTHOMELANA.

B. M.

*Apis xanthomelana*, Kirby, *Mon. Ap. Angl.* ii. 246, 46, ♀.

*Osmia atricapilla*, Curtis, *Brit. Ent.* v. ♀. Waterhouse, *Zool.* ii. 403, ♂, ♀.

*Osmia nigriventris*, Zett. *Ins. Lapp.* 465, 4, ♀.

*Osmia xanthomelana*, Smith, *Zool.* ii. 745, 7. Steph. *Ill. Brit. Ent. Mand.* vii. 16, 2. *Supp.* t. 43, f. 2.

HAB.—Birch and Darenth Woods; in the ground, near Liverpool.

## 6. OSMIA HIRTA.

B. M.

*Apis hirta*, Fourc. *Ent. Par.* ii. 444, 6, ♀.

*Apis Leaiana*, Kirby, *Mon. Ap. Angl.* ii. 263, 54, ♀.

*Osmia Leaiana*, Spin. *Ins. Lig.* ii. 200, 1, ♀. Nyland. *Act. Soc. Sc. Fenn.* i. 262, 3, ♀.

*Osmia fulviventris*, Latr. *Enc. Méth.* viii. 578, 7. St. Farg. *Hist. Nat. Ins.* ii. 319, 9, ♂, ♀.

*Osmia hirta*, Smith, *Zool.* ii. 742, 3.

HAB.—Britain; Old posts, &c.

## 7. OSMIA ÆNEA.

B. M.

*Apis ænea*, Linn. *Faun. Suec.* 1695, ♂. Scop. *Ent. Carn.* 809, ♂, f. 809.

*Apis cœrulescens*, Linn. *Faun. Suec.* 1696, ♀. Kirby, *Mon. Ap. Angl.* ii. 264, 55, ♂, ♀.

*Andrena cœrulescens*, Fab. *Syst. Ent.* 376, 2, ♀. Rossi, *Faun. Etrus.* ii. 86, 893, ♀. Panz. *Faun. Germ.* 65, 18.

*Apicis superbus*, Harris, *Expos.* 164, 10, t. 49, f. 10, ♀.

*Anthophora ænea*, Fab. *Syst. Piez.* 381, 40, ♀.

*Osmia cœrulescens*, Latr. *Enc. Méth.* viii. 581, 12, ♂, ♀. St. Farg. *Hist. Nat. Ins.* ii. 325, 16. Smith, *Zool.* ii. 743, 5. Nyland. *Act. Soc. Sc. Fenn.* i. 262, 4.

*Abeille maçonne*, &c., De Geer, *Mem.* ii. 751, t. 30, f. 23. ♀, and t. 32, f. 1, ♂.

HAB.—Britain; Old posts, &c.

## 8. OSMIA PURPURASCENS.

B. M.

*Osmia purpurascens*, Smith, *Zool.* vii. App. lviii.

HAB.—New Forest.

## 9. OSMIA PARIETINA.

B. M.

*Osmia parietina*, *Curtis, Brit. Ent. v. t. 222*, ♀. *Smith, Zool. ii. 743*, 4, ♀.

*Osmia fusciformis*, *Latr. Enc. Méth. viii. 579*, 8? ♂, ♀.

*Osmia inermis*, *Zett. Ins. Lapp. 466*, 6, ♀.

HAB.—Ambleside; Bridgend, Glamorgan; and the Grampians, Scotland.

9\*. OSMIA PARIETINA, ♂. *See Appendix.*

## 10. OSMIA PILICORNIS.

B. M.

*Osmia pilicornis*, *Smith, Zool. iv. 1567*, ♂, ♀.

HAB.—Birch Wood, and Bristol.

## 11. OSMIA FUSCIFORMIS.

*Osmia fusciformis*, *Latr. Enc. Méth. viii. 579*, 8.

## 12. OSMIA SPINULOSA.

B. M.

*Apis spinulosa*, *Kirby, Mon. Ap. Angl. ii. 261*, 53.

*Osmia spinulosa*, *Smith, Zool. ii. 741*, 2.

HAB.—Britain, Chalky districts.

## 13. OSMIA LEUCOMELANA.

B. M.

*Apis leucomelana*, *Kirby, Mon. Ap. Angl. ii. 260*, 52, ♀.

*Osmia leucomelana*, *Smith, Zool. ii. 741*, 1, ♀, ♀. *Nyland. Act.*

*Soc. Sc. Fenn. i. 263*, 5, ♂, & *ii. Supp. 105*, ♀.

HAB.—Blackwater, Hants; Bristol; and Charlton, Kent.

## 12. ANTHOCOPIA.

*Apis*, *Latr. Hist. Nat. Fourm. 302*, 1802.

*Megachile*, pt., *Latr. Hist. Nat. xiv. 57, Sec. 7*, 1805.

*Osmia*, *Latr. Enc. Méth. viii. 585*.

*Anthocopa*, *St. Farg. Hist. Nat. Ins. ii. 349*, 1841.

## 1. ANTHOCOPA PAPAVERIS.

B. M.

- Apis papaveris*, *Latr. Hist. Nat. Fourm.* 302, t. 12, f. 1, ♂, ♀.  
*Anthophora argentata*, *Fab. Syst. Piez.* 377, 22?  
*Megachile papaveris*, *Latr. Hist. Nat.* xiv. 57, 12.  
*Osmia papaveris*, *Latr. Enc. Méth.* viii. 585, 21.  
*Anthocopa papaveris*, *St. Farg. Hist. Nat. Ins.* ii. 349, 1. *Smith*,  
*Zool.* vi. 2213.  
*Reaum. Ins.* vi. 13, t. 13, f. 1.  
*Andrena tapissière*, *Oliv. Enc. Méth.* iv. 140.  
*Latr. Hist. Nat. Fourm.* 297.

HAB.—Leicester.

## 13. STELIS.

- Apis*, pt., *Kirby, Mon. Ap. Angl.* i. 154, \* \* c, l, β, (γ), 1802.  
*Megilla*, pt., *Fab. Syst. Piez.* 328, 1804.  
*Megachile*, pt., *Latr. Hist. Nat.* xiv. 51, 1805.  
*Stelis*, *St. Farg. et Serv. Enc. Méth.* x. 480, 1825.

## 1. STELIS ATERRIMA.

B. M.

- Apis aterrima*, *Panz. Faun. Germ.* 56, 15.  
*Apis punctulatissima*, *Kirby, Mon. Ap. Angl.* ii. 231, 39, t. 16, f. 9.  
*Megilla aterrima*, *Fab. Syst. Piez.* 331, 15.  
*Megachile punctulatissima*, *Latr. Hist. Nat.* xiv. 54, ♂.  
*Stelis aterrima*, *St. Farg. Hist. Nat. Ins.* ii. 527, 1. *Smith, Zool.*  
 iii. 1154, 1, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 275, 2.

HAB.—Darenth and Birch Woods; Weybridge, &amp;c.

## 2. STELIS PHÆOPTERA.

B. M.

- Apis phæoptera*, *Kirby, Mon. Ap. Angl.* ii. 232, 40, ♀.  
*Megachile phæoptera*, *Latr. Hist. Nat.* xiv. 54, 6, ♂, ♀.  
*Stelis phæoptera*, *St. Farg. Hist. Nat. Ins.* ii. 527, 2. *Smith*,  
*Zool.* iii. 1154, 2. *Nyland. Act. Soc. Sc. Fenn.* i. 274, 1.

HAB.—Battersea Fields; Old posts.

## 3. STELIS MINUTA.

*Stelis minuta*, *St. Farg. Enc. Méth.* x. 481, 1, ♀. *Smith, Zool.* iii. 1155, 4.

*Stelis breviuscula*, *Nyland. Adnot. Ap. Boreal. Sällsk. Faun. Flo. Fenn.* ii. *Supp.* 106, ♀.

HAB.—Bristol.

## 4. STELIS OCTOMACULATA.

*Stelis octomaculata*, *Smith, Zool.* iii. 1155, 3, ♂, ♀.

*Stelis ornatula*, *Nyland. Adnot. Ap. Boreal. Sällsk. Faun. Flo. Fenn.* ii. *Supp.* 106, ♂, ♀.

HAB.—Blackwater, Hants.

## 14. AMMOBATES.

*Ammobates*, *Latr. Gen. Crust. Ins.* iv. 169, 1809.

## 1. AMMOBATES BICOLOR.

B. M.

*Ammobates bicolor*, *St. Farg. Hist. Nat. Ins.* ii. 511, 2, ♀. *Smith, Zool.* vi. 2212, 1.

HAB.—Leicester.

## 15. EPEOLUS.

*Apis*, pt., *Linn. Syst. Nat.* i. 953, 1766.

*Nomada*, pt., *Fab. Ent. Syst.* ii. 345, 1793.

*Epeolus*, *Latr. Ins.* iii. 375, 1805.

## 1. EPEOLUS VARIEGATUS.

B. M.

*Apis variegata*, *Linn. Syst. Nat.* i. 957, 24, ♂, and *Cab. Mus. Linn. Soc. Kirby, Mon. Ap. Angl.* ii. 222, 36, t. 16, f. 6, ♀. *Don. Brit. Ins.* xii. 10, t. 399, f. 2.

*Nomada variegata*, *Fab. Syst. Ent.* 389, 2.

*Apis muscaria*, *Christ. Hym.* 195, t. 17, f. 5, ♂.

*Nomada crucigera*, *Panz. Faun. Germ.* 61, 20, ♂.

*Epeolus variegatus*, *Fab. Syst. Piez.* 388, 1. *Latr. Hist. Nat.* xiv. 49, 2. *Jurine, Hym.* t. 14, *Supp. Curt. Brit. Ent.* ii. t. 516. *St. Farg. Hist. Nat. Ins.* ii. 462, 2, t. 17, f. 5, ♀, 6, ♂. *Smith, Zool.* iii. 1150, 1. *Nyland. Act. Soc. Sc. Fenn.* i. 174, 1.

HAB.—Erith, Darent and Charlton, Kent; Weybridge, Surrey; Isle of Wight and Hants (in the nests of *Colletes*).

## 16. NOMADA.

*Apis*, pt., *Linn. Syst. Nat.* i. 953, 1766.  
*Nomada*, pt., *Fab. Ent. Syst.* ii. 345, 1793.

## 1. NOMADA RUFICORNIS.

B. M.

- Apis ruficornis*, *Linn. Faun. Suec.* 1707, and *Cab. Mus. Linn. Soc.*  
 ♀. *Kirby, Mon. Ap. Angl.* ii. 210, 27, ♀.  
*Nomada ruficornis*, *Fab. Syst. Ent.* 389, 3. *Rossi, Faun. Etrus.*  
 ii. 112, 933. *Panz. Faun. Germ.* 55, 18. *Latr. Hist. Nat.* xiv.  
 50, 1. *Schäff. Germ. Zeits.* i. 279, 9. *St. Farg. Hist. Nat.*  
*Ins.* ii. 498, 29. *Smith, Zool.* ii. 596, 9, ♂, ♀. *Nyland. Act.*  
*Soc. Sc. Fenn.* i. 180, 10, ♀.  
*Nomada striata*, *Fab. Ent. Syst.* ii. 348, 9.  
*Nomada flava*, *Panz. Faun. Germ.* 53, 21, ♂. *Fab. Syst. Piez.*  
 391, 4. *Nyland. Act. Soc. Sc. Fenn.* i. 179, 8.  
*Apis flava*, *Kirby, Mon. Ap. Angl.* ii. 186, 8, and *Cab. Mus. Ent.*  
*Soc.*  
*Apis leucophthalma*, *Kirby, Mon. Ap. Angl.* ii. 197, 16, and *Cab.*  
*Mus. Ent. Soc.* ♂.  
*Nomada conjungens*, *Schäff. Germ. Zeits.* i. 279, 8, ♂ var.  
 HAB.—Britain (in the nests of *Andrenidæ*).

## 2. NOMADA LATERALIS.

B. M.

- Nomada lateralis*, *Panz. Faun. Germ.* 96. 20, ♂, and 21, ♀.  
*Schäff. Germ. Zeits.* i. 227, 5. *Smith, Zool.* ii. 601, 16, ♂, ♀.  
*Nomada melanostoma*, *Schäff. Germ. Zeits.* i. 280, 11, var. ♂.  
 HAB.—Highgate (in the nests of *Andrena longipes*).

## 3. NOMADA BACCATA.

B. M.

- Nomada baccata*, *Smith, Zool.* ii. 604, 20, ♂, ♀.  
 HAB. — Sandhurst, Berks; and Weybridge, Surrey; (in the nests  
 of *Andrena argentata*).

## 4. NOMADA OCHROSTOMA.

B. M.

*Apis ochrostoma*, Kirby, *Mon. Ap. Angl.* ii. 209, 26, ♂, and *Cab. Mus. Ent. Soc.*

*Nomada ochrostoma*, Schüff. *Germ. Zeits.* i. 280, 13, ♂. *Smith, Zool.* ii. 596, 9. *Nyland. Act. Soc. Sc. Fenn.* i. 179, 9.

*Apis Hillana*, Kirby, *Mon. Ap. Angl.* ii. 208, 25, ♂, var.?

*Nomada vidua*, *Smith, Zool.* ii. 602, 18, ♀.

HAB.—Britain.

## 5. NOMADA BOREALIS.

B. M.

*Nomada borealis*, *Zett. Ins. Lapp.* 470, 1, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 181, 11.

*Nomada inquilina*, *Smith, Zool.* ii. 605, 21, ♂, ♀.

HAB.—Leominster; Hampstead Heath (in the nests of *Audrena bicolor*); Godstone, Surrey.

## 6. NOMADA SIGNATA.

B. M.

*Nomada signata*, *Jurine, Hym.* t. 11, gen. 31. *Smith, Zool.* ii. 602, 17.

*Nomada flava*, *Schüff. Germ. Zeits.* i. 279, 9.

HAB.—Highgate; and Hampstead Heath, &c.

## 7. NOMADA LATHBURIANA.

B. M.

*Apis Lathburiana*, Kirby, *Mon. Ap. Angl.* ii. 183, 6, ♂, and *Cab. Mus. Ent. Soc.*

*Apis rufiventris*, Kirby, *Mon. Ap. Angl.* ii. 187, 9, ♀, and *Cab. Mus. Ent. Soc.*

*Nomada rufiventris*, *Smith, Zool.* ii. 590, 2, ♂, ♀.

HAB.—Hampstead and Highgate.

## 8. NOMADA VARIA.

B. M.

*Nomada fucata*, *Panz. Faun. Germ.* 55, 19, ♀. *Fab. Syst. Piez.* 390, 3, ♀. *Schüff. Germ. Zeits.* i. 284, 22. *Smith, Zool.* ii. 593, 5, ♂, ♀.

*Apis varia*, Kirby, *Mon. Ap. Angl.* ii. 185, 7, ♂.

*Apis fucata*, Kirby, *Mon. Ap. Angl.* ii. 195, 15, ♀.

*Nomada varia*, *Panz. Faun. Germ.* 55, 20, ♂. *St. Farg. Hist. Nat. Ins.* ii. 489, 22, ♂.

HAB.—Betsome; Darenth Wood.

## 9. NOMADA XANTHOSTICTA.

- Apis xanthosticta*, Kirby, *Mon. Ap. Angl.* ii. 212, 28, ♀.  
*Nomada xanthosticta*, Smith, *Zool.* ii. 600, 15, and vi. 2214.  
 HAB.—Worsall Grange, Yarm, Yorkshire.

## 10. NOMADA ROBERJEOTIANA.

- Nomada Roberjeotiana*, Panz. *Faun. Germ.* 72, 19, ♀. *Fab. Syst. Piez.* 391, 6, ♀. *Schüff. Germ. Zeits.* i. 283, 19, ♀. *Smith, Zool.* ii. 603, 19, ♂, ♀. *Nyland. Ac. Soc. Sc. Fenn.* i. 178, 7, ♂.  
*Nomada neglecta*, *Schüff. Germ. Zeits.* i. 283, 20, ♂.  
 HAB.—Blackwater, Hants.

## 11. NOMADA FLAVOGUTTATA.

B. M.

- Apis flavoguttata*, Kirby, *Mon. Ap. Angl.* ii. 215, 31, ♂, and *Cab. Mus. Ent. Soc.*  
*Nomada flavoguttata*, *Smith, Zool.* ii. 598, 12, ♂, ♀.  
 HAB.—London district.

## 12. NOMADA FABRICIANA.

B. M.

- Apis Fabriciana*, *Linn. Syst. Nat.* i. 2749, 17, ♀. *Rossi, Faun. Etrus. Mant.* 324.  
*Nomada Fabriciana*, *Fab. Ent. Syst.* ii. 348, 10. *Spin. Ins. Lig.* i. 154, 4. *Schüff. Germ. Zeits.* i. 277, 6. *Smith, Zool.* ii. 598, 11. *Nyland. Act. Soc. Sc. Fenn.* i. 183, 14.  
*Apis Fabriciella*, Kirby, *Mon. Ap. Angl.* ii. 213, 29, and t. 16, f. 3.  
*Apis 4-notata*, Kirby, *Mon. Ap. Angl.* ii. 214, 30.  
*Nomada quadrinotata*, *St. Farg. Hist. Nat. Ins.* ii. 494, 26.  
 HAB.—Britain.

## 13. NOMADA ARMATA.

B. M.

- Nomada armata*, *Schüff. Germ. Zeits.* i. 279, 10. *Smith, Zool.* vii. *App.* 41.  
 HAB.—Bantham; and Buckland Wood, Devon.



## 14. NOMADA GERMANICA.

B. M.

*Nomada Germanica*, *Panz. Faun. Germ.* 72, 17, ♀. *Fab. Syst. Piez.* 394, 18. *St. Farg. Hist. Nat. Ins.* ii. 477, 13.

*Apis ferruginata*, *Kirby, Mon. Ap. Angl.* ii. 218, 34, and t. 16, f. 4, ♂, not of *Linn.*

*Nomada stigma*, *Fab. Syst. Piez.* 393, 11.

*Nomada ferruginata*, *Schäff. Germ. Zeits.* i. 275, 1. *Smith, Zool.* ii. 600, 14. *Nyland. Act. Soc. Sc. Fenn.* i. 183, 13.

*Nomada pleurosticta*, *Schäff. Germ. Zeits.* i. 276, 2.

HAB.—Britain.

## 15. NOMADA RUBRA.

B. M.

*Nomada rubra*, *Smith, Zool.* vii. *App.* 41.

HAB.—Kingsbridge, Devon.

## 16. NOMADA FURVA.

B. M.

*Nomada furva*, *Panz. Faun. Germ.* 55, 25, ♂. *St. Farg. Hist. Nat. Ins.* 495, 27, ♂. ♀. *Smith, Zool.* ii. 599, 13, ♂, ♀.

*Apis rufo-cincta*, *Kirby, Mon. Ap. Angl.* ii. 216, 32, ♀, and *Cab. Mus. Ent. Soc.*

*Apis Sheppardana*, *Kirby, Mon. Ap. Angl.* ii. 217, 33, ♀, and *Cab. Mus. Ent. Soc.*

*Nomada minuta*, *Fab. Syst. Piez.* 394, 19, ♀. *Schäff. Germ. Zeits.* i. 278, 7. *Nyland. Act. Soc. Sc. Fenn.* i. 184, 15.

*Nomada Dalii*, *Curt. Brit. Ent.* ix. t. 419, ♂.

Not *Apis flavoguttata*, *Kirby.*

HAB.—Britain.

## 17. NOMADA ATRATA.

*Nomada atrata*, *Fab. Syst. Piez.* 393, 14? *Smith, Zool.* iv. 1568.

HAB.—Arundel, Sussex.

## 18. NOMADA SOLIDAGINIS.

B. M.

*Nomada solidaginis*, *Panz. Faun. Germ.* 72, 21, ♂. *Schäff. Germ. Zeits.* i. 284, 23, ♂, ♀. *St. Farg. Hist. Nat. Ins.* ii. 472, 8.

*Smith, Zool.* ii. 595, 8. *Nyland. Act. Soc. Sc. Fenn.* i. 176, 3, ♀.

*Apis Solidaginis*, Kirby, *Mon. Ap. Angl.* ii. 204, 22, and *Cab. Mus. Ent. Soc.*

*Apis picta*, Kirby, *Mon. Ap. Angl.* ii. 206, 23, var. ♀, and *Cab. Mus. Ent. Soc.*

*Apis rufo-picta*, Kirby, *Mon. Ap. Angl.* ii. 207, 24, var. ♀, and *Cab. Mus. Ent. Soc.*

HAB.—Britain.

#### 19. NOMADA MISTURA.

*Nomada mistura*, Smith, *Zool.* ix. App. 127.

HAB.—Weybridge.

#### 20. NOMADA LINEOLA.

B. M.

*Nomada lineola*, Panz. *Faun. Germ.* 55, 23, ♀ var. *St. Farg. Hist. Nat. Ins.* ii. 486, 20.

*Apis cornigera*, Kirby, *Mon. Ap. Angl.* ii. 190, 11, ♀, and *Cab. Mus. Ent. Soc.*

*Apis subcornuta*, Kirby, *Mon. Ap. Angl.* ii. 192, 12, var. ♀, and *Cab. Mus. Ent. Soc.*

*Apis Capræ*, Kirby, *Mon. Ap. Angl.* ii. 193, 13, var. ♀, and *Cab. Mus. Ent. Soc.*

*Apis lineola*, Kirby, *Mon. Ap. Angl.* ii. 194, 14, var. ♀, and *Cab. Mus. Ent. Soc.*

*Apis sexcincta*, Kirby, *Mon. Ap. Angl.* ii. 198, 17, ♂, and *Cab. Mus. Ent. Soc.*

*Nomada cornigera*, *St. Farg. Hist. Nat. Ins.* ii. 481, 16. Smith, *Zool.* ii. 591, 4, ♂, ♀.

HAB.—Hampstead Heath, &c.

#### 21. NOMADA JACOBÆÆ.

B. M.

*Nomada Jacobææ*, Panz. *Faun. Germ.* 72, 20, ♂. *Latr. Hist. Nat.* xiv. 50, 2. *Schüff. Germ. Zeits.* i. 286, 21. *St. Farg. Hist. Nat. Ins.* ii. 479, 15. Smith, *Zool.* ii. 594, 7, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 175, 2.

*Apis Jacobææ*, Kirby, *Mon. Ap. Angl.* ii. 201, 20, ♂.

*Apis flavopicta*, Kirby, *Mon. Ap. Angl.* ii. 202, 21, ♀, and *Cab. Mus. Ent. Soc.*

HAB.—Charlton, Kent; Surrey; Hants; Isle of Wight, &c.

## 22. NOMADA SEXFASCIATA.

B. M.

- Nomada sexfasciata*, *Panz. Faun. Germ.* 68. 18, ♂. *Schüff. Germ. Zeits.* i. 285, 24. *St. Farg. Hist. Nat. Ins.* ii. 471, 7, ♂. *Smith, Zool.* ii. 593, 6, ♂, ♀.  
*Apis Schæfferella*, *Kirby, Mon. Ap. Angl.* ii. 199, 18, ♀.  
*Apis connexa*, *Kirby, Mon. Ap. Angl.* ii. 199, 18.

HAB.—Highgate; Darenth Wood, and Folkstone, Kent; (in the nests of *Eucera longicornis*).

## 23. NOMADA ALTERNATA.

B. M.

- Apis Marshamella*, *Kirby, Mon. Ap. Angl.* ii. 188, 10, ♀, and *Cab. Mus. Ent. Soc.*  
*Apis alternata*, *Kirby, Mon. Ap. Angl.* ii. 182, 5, ♂, and *Cab. Mus. Ent. Soc.*  
*Nomada Marshamella*, *Schüff. Germ. Zeits.* ii. 285, 25. *Smith, Zool.* ii. 590, 3. *Nyland. Act. Soc. Sc. Fenn.* i. 176, 3.

HAB.—Britain (in the nests of *Andrena Trimmerana*, &c.)

## 24. NOMADA SUCCINCTA.

B. M.

- Apis Goodeniana*, *Kirby, Mon. Ap. Angl.* ii. 180, 4, ♂, ♀, and *Cab. Mus. Ent. Soc.*  
*Nomada Goodeniana*, *Smith, Zool.* ii. 590, 1, ♂, ♀.  
*Nomada succincta*, *Panz. Faun. Germ.* 55, 21. *Schüff. Germ. Zeits.* i. 287, 30. *St. Farg. Hist. Nat. Ins.* ii. 469, 6. *Nyland. Act. Soc. Sc. Fenn.* i. 175, 1.

HAB.—Britain.

## 17. CÆLIOXYS.

- Apis*, pt., *Linn. Syst. Nat.* i. 953, 1766.  
*Anthophora*, pt., *Fab. Syst. Piez.* 372, 1804.  
*Megachile*, pt., *Latr. Hist. Nat.* 53, Sec. 3, 1805.  
*Cœlioxys*, *Latr. Gen. Crust. Ins.* iv. 166, 1809.

## 1. CÆLIOXYS QUADRIDENTATA.

B. M.

*Apis quadridentata*, *Linn. Faun. Suec.* 1703, and *Cab. Mus. Linn. Soc.* ♂. *Fab. Syst. Ent.* 386, 49. *Schüff. Icon.* t. 32, f. 8. *Panz. Faun. Germ.* 55, 13.

*Apis conica*, *Linn. Faun. Suec.* 1705, and *Cab. Mus. Linn. Soc.* ♀. *Fab. Syst. Ent.* 387, 53, and *Cab. Banks. Mus. Linn. Soc.* not var. *Schrank, Ins. Aust.* 401, 809. *Rossi, Faun. Etrus.* 109, 928. *Christ. Hym.* 200, t. 17, f. 11. *Kirby, Mon. Ap. Angl.* ii. 224, 37, t. 16, f. 7, var. ♂, ♀.

*Apicis agilis*, *Harris*, 163, 8, t. 49, f. 8, ♀.

*Apis bidentata*, *Panz. Faun. Germ.* 59, 7, ♀.

*Apis inermis*, *Kirby, Mon. Ap. Angl.* ii. 229, 38, ♂, *Exclus. Synon.*

*Anthophora conica*, *Fab. Syst. Piez.* 380, 33, ♀.

*Megachile conica*, *Latr. Hist. Nat.* 53, 4, ♂, ♀.

*Cælioxys conica*, *Lat. Gen. Crust. Ins.* 167, ♂, ♀. *Zett. Ins. Lapp.* 468, 1. *St. Farg. Hist. Nat. Ins.* ii. 517, 1.

*Cælioxys quadridentata*, *Smith, Zool.* iii. 1151, 1, ♂, ♀.

HAB.—Britain (in the nests of *Megachile circumcincta* and of *Saropoda bimaculata*).

## 2. CÆLIOXYS RUFESCENS.

B. M.

*Cælioxys rufescens*, *St. Farg. & Serv. Enc. Méth.* x. 109. *St. Farg. Hist. Nat. Ins.* ii. 519, 2. *Smith, Zool.* iii. 1152, 3.

*Cælioxys apiculata*, *Nyland. Act. Soc. Sc. Fenn.* i. 282, *Obs.*

HAB.—London district; Bristol.

## 3. CÆLIOXYS UMBRINA.

*Cælioxys umbrina*, *Smith, Zool.* iii. 1153, 4.

*Cælioxys acuta*, *Nyland. Act. Soc. Sc. Fenn.* 250, 1.

HAB.—Coombe Wood.

## 4. CÆLIOXYS VECTIS.

B. M.

*Cælioxys vectis*, *Curtis, Brit. Ent.* viii. t. 349. *Smith, Zool.* iii. 1152, 2.

*Cælioxys punctata*, *St. Farg. Hist. Nat. Ins.* ii. 520, 3?

*Cælioxys temporalis*, *Nyland. Act. Soc. Sc. Fenn.* 253, 4.

HAB.—Isle of Wight; Little Hampton, Sussex.

## 18. MELECTA.

- Apis, pt., *Fab. Syst. Ent.* 378, 1775.  
 Centris, pt., *Fab. Syst. Piez.* 354, 1804.  
 Melecta, *Latr. Hist. Nat.* xiv. 48, 1805.  
 Crocisa, pt., *Jurine, Hym.* 239, 1807.

## 1. MELECTA PUNCTATA.

B. M.

- Apis punctata, *Fab. Syst. Ent.* 385, 43. *Schüff. Icon. Ins.* t. 22, f. 14. *Panz. Faun. Germ.* 35, 23. *Kirby, Mon. Ap. Angl.* ii. 219, 35. *Don. Brit. Ins.* xii. 47, 376.  
 Apicis dubito, *Harris, Expos.* 137, 11, t. 40, f. 11.  
 Melecta punctata, *Latr. Hist. Nat. Ins.* xiv. 48. *Fab. Syst. Piez.* 387, 7. *Spin. Ins. Lig.* 153, 3. *St. Farg. Hist. Nat. Ins.* ii. 441, 1. *Smith, Zool.* iii. 1148, 1.  
 Andrena armata, *Panz. Faun. Germ.* 70, 22, ♂ ?  
 Centris punctata, *Fab. Syst. Piez.* 360, 30.  
 Crocisa atra, *Jurine, Hym.* t. 12, gen. 34, var. ♀ ?  
 Melecta Clotho, *Newm. Ent. Mag.* ii. 513, 4, ♀.  
 Melecta Megæra, *Newm. Ent. Mag.* ii. 513, 2, var. ♀.  
 Melecta Tisiphone, *Newm. Ent. Mag.* ii. 513, 1, var. ♀.  
 Melecta Alecto, *Newm. Ent. Mag.* ii. 513, 3, ♂.  
 Melecta nigra, *St. Farg. Hist. Nat. Ins.* ii. 446, 6, var. ♀.

HAB.—Britain (in the nests of *Anthophora retusa*).

## 2. MELECTA LUCTUOSA.

B. M.

- Apis luctuosa, *Scop. Ann. Hist. Nat.* iv. 9. *Schrank, Ins. Aust.* 404, 816. *Rossi, Faun. Etrus.* ii. 105, 918. *Gmel. Syst. Nat.* v. 2785, 127.  
 Melecta notata, *Illig. Mag.* ?  
 Melecta Atropos, *Newm. Ent. Mag.* ii. 514, 6, ♂. *Smith, Zool.* iii. 1149, 2, ♂, ♀.  
 Melecta Lachesis, *Newm. Ent. Mag.* ii. 514, 5 ♀.

HAB.—Hampstead Heath; Blackheath; Coombe Wood and Shirley, Surrey (in the nests of *Anthophora Haworthana*).

## 19. ANTHIDIUM.

- Apis, pt., *Linn. Syst. Nat.* 953, 1766.  
 Megachile, *Latr. Hist. Nat.* xiv. 51, 1805.  
 Trachusa, *Jurine*, 252, 1809.

## 1. ANTHIDIUM MANICATUM.

B. M.

- Apis manicata*, *Linn. Faun. Suec.* 1701, and *Cab. Mus. Linn. Soc. Schüff. Icon. Ins.* t. 32, f. 11—12. *Fab. Syst. Ent.* 384, 35. *Fourc. Ent. Par.* ii. 443, 3. *Rossi, Faun. Etrus.* ii. 914. *Christ. Hym.* 133, t. 9, f. 5. *Panz. Faun. Germ.* 55, 10, ♂, 11, ♀. *Kirby, Mon. Ap. Angl.* ii. 248, 47, t. 16, 12, ♀, 13, ♂. *Don. Brit. Ins.* xiv. 57, t. 489.
- Apicis dentata*, *Harris, Expos.* 161, t. 49, f. 1, ♂.
- Apicis pervigil*, *Harris, Expos.* 162, t. 49, f. 2, ♀.
- Anthidium manicatum*, *Fab. Syst. Piez.* 364, 1. *Curt. Brit. Ent.* ii. t. 61. *St. Farg. Hist. Nat. Ins.* ii. 355, 4. *Smith, Zool.* iv. 1452, 1. *Nyland. Act. Soc. Sc. Fenn.* i. 265, 22.
- Megachile manicata*, *Latr. Ins.* iii. 383, t. 104, f. 1, ♂, 3, ♀. *Spin. Ins. Lig.* i. 138, 7.
- Trachusa manicatum*, *Jurine*, 253.
- Geoff. Ins. Par.* ii. 408, 3.
- HAB.—Britain.

## 20. HERIADES.

- Apis*, pt., *Linn. Faun. Suec.* 419, 1761.
- Hylæus*, pt., *Fab. Ent. Syst.* ii. 302, 1793.
- Anthophora*, pt., *Fab. Syst. Piez.* 372, 1804.
- Megachile*, pt., *Latr. Hist. Nat.* xiv. 52, *Sec. 2*, 1805.
- Heriades*, pt., *Spin. Ins. Lig.* ii. 198, 1808.

## 1. HERIADES TRUNCORUM.

B. M.

- Apis truncorum*, *Linn. Faun. Suec.* 1692, and *Cab. Mus. Linn. Soc. Kirby, Mon. Ap. Angl.* ii. 258, 51.
- Hylæus truncorum*, *Fab. Ent. Syst.* ii. 305, 9. *Panz. Faun. Germ.* 64, 15.
- Anthophora truncorum*, *Fab. Syst. Piez.* 379, 29.
- Megachile truncorum*, *Latr. Hist. Nat.* xiv. 52, 3.
- Heriades truncorum*, *Curt. Brit. Ent.* xi. t. 504. *St. Farg. Hist. Nat. Ins.* ii. 405, 2. *Zett. Ins. Lapp.* 467, 1. *Smith, Zool.* iv. 1447, 1. *Nyland. Act. Soc. Sc. Fenn.* i. 271, 4.
- HAB.—Hammersmith? and Hainault Forest; Kingsbridge, Devon.

## 2. HERIADES CAMPANULARUM.

B. M.

*Apis Campanularum*, Kirby, *Mon. Ap. Angl.* ii. 256, 50, t. 16, f. 14, ♀, 15, ♂.

*Megachile Campanularum*, *Lat. Hist. Nat.* xiv. 52, 2.

*Heriades Campanularum*, *Spin. Ins. Lig.* ii. 198, 1. *St. Farg. Hist. Nat. Ins.* ii. 405, 2. *Smith, Zool.* iv. 1448, 2. *Nyland. Act. Soc. Sc. Fenn.* i. 273, 6.

*Apis florissomnis minima*, *Christ. Hym.* 197, t. 17, f. 8.

HAB.—Britain.

## 21. CHELOSTOMA.

*Apis*, pt., *Linn. Faun. Suec.* 419, 1761.

*Hylæus*, pt., *Fab. Ent. Syst.* ii. 302, 1793.

*Anthophora*, pt., *Fab. Syst. Piez.* 372, 1804.

*Megachile*, pt., *Latr. Hist. Nat.* xiv. 51, 1805.

*Chelostoma*, *Latr. Gen. Crust. Ins.* iv. 161, 1809.

*Heriades*, pt., *Zett. Ins. Lapp.* 467, 1840.

## 1. CHELOSTOMA FLORISSOMNIS.

B. M.

*Apis florissomnis*, *Linn. Faun. Suec.* 1704, ♂, and *Cab. Mus. Linn. Soc. Scop. Ent. Carn.* 299, 796, f. 796. *Fab. Syst. Ent.* 387, 55. *Kirby, Mon. Ap. Angl.* ii. 253, 49.

*Apis maxillosa*, *Linn. Syst. Nat.* i. 954, 11, ♀, and *Cab. Mus. Linn. Soc. Fab. Mant.* i. 305, 86. *Kirby, Mon. Ap. Angl.* ii. 251, 48.

*Apicis tumidus*, *Harris, Expos.* 164, t. 50, f. 12, ♂.

*Hylæus florissomnis*, *Fab. Ent. Syst.* ii. 304, 5. *Panz. Faun. Germ.* 46, 13.

*Hylæus maxillosus*, *Fab. Ent. Syst.* ii. 303, 4. *Panz. Faun. Germ.* 53, 17.

*Anthophora truncorum*, *Fab. Syst. Piez.* 379, 29, var. β.

*Megachile maxillosa*, *Latr. Hist. Nat.* xiv. 51, 1, ♂ & ♀.

*Megachile florissomnis*, *Spin. Ins. Lig.* i. 134, 1.

*Chelostoma maxillosa*, *Latr. Gen. Crust. Ins.* iv. 162. *St. Farg. Hist. Nat. Ins.* ii. 407, 1.

*Chelostoma florissomnis*, *Curt. Brit. Ent.* xiv. t. 628. *Smith, Zool.* iv. 1445, 1.

*Heriades maxillosa*, *Zett. Ins. Lapp.* 467, 2. *Nyland. Act. Soc. Sc. Fenn.* i. 268, 1.

HAB.—Britain.

## 22. CERATINA.

- Hylæus, pt., *Fab. Ent. Syst.* ii. 302, 1793.  
 Apis, pt., *Fab. Ent. Syst. Supp.* 273, 1796.  
 Megilla, pt., *Fab. Syst. Piez.* 328, 1804.  
 Prosopis, pt., *Fab. Syst. Piez.* 293, 1804.  
 Ceratina, *Latr. Hist. Nat.* xiv. 50, 1805.

## 1. CERATINA CÆRULEA.

B. M.

- Apis cærulea, *Vill. Ent. Europ.* iii. 88, t. 8, f. 25, ♂.  
 Apis curburtina, *Rossi, Mant.* i. 145, 325.  
 Apis calloso, *Fab. Ent. Syst. Supp.* 277, 122—3.  
 Apis cyanea, *Kirby, Mon. Ap. Angl.* ii. 308, 71, t. 17, f. 7, ♀, 8, ♂.  
 Ceratina albilabris, *Latr. Hist. Nat.* xiv. 50. *Spin. Ins. Lig.* i.  
 151, 1, ♀.  
 Megilla callosa, *Fab. Syst. Piez.* 328, 31.  
 Ceratina nitidula, *Spin. Ins. Lig.* 151, 2, ♂, and vol. ii. *App.* 80.  
 Ceratina cyanea, *St. Farg. Hist. Nat. Ins.* ii. 505, 1.  
 Ceratina cærulea, *Smith, Zool.* iv. 1448, 1.  
 HAB.—Charlton and Birch Wood, Kent; Bristol (Bramble sticks).

## 2. CERATINA ALBILABRIS.

B. M.

- Hylæus albilabris, *Fab. Ent. Syst.* ii. 305, 10.  
 Prosopis albilabris, *Fab. Syst. Piez.* 293, 2.  
 Ceratina albilabris, *Jurine, Hym.* 234. *St. Farg. Hist. Nat. Ins.*  
 ii. 506, 2, *Exclus. Synon.* *Smith, Zool. App.* vii. 57.  
 HAB.—Devonshire.

## 23. EUCERA.

- Apis, pt., *Linn. Faun. Suec.* 419, 1761.  
 Eucera, *Scop. Ann. Hist. Nat.* iv. 8, 1769.  
 Andrena, pt., *Panz. Faun. Germ.* 78, 1804.

## 1. EUCERA LONGICORNIS.

- Apis longicornis, *Linn. Faun. Suec.* 1684, and *Cab. Mus. Linn. Soc.* ♂. *Scop. Ent. Carn.* 794, f. 794. *Fab. Syst. Ent.* 388, 58. *Schäff. Icon.* t. 44, f. 3. *Fourc. Ent. Par.* ii. 445, 10.



*Rossi, Faun. Etrus.* ii. 922. *Christ. Hym.* 142, t. 11, f. 9.  
*Kirby, Mon. Ap. Angl.* ii. 278, 59, ♂, ♀.

*Eucera longicornis*, *Scop. Ann. Hist. Nat.* iv. 8, 1. ♂. *Fab. Ent. Syst.* ii. 343, 1, ♂. *Latr. Hist. Nat.* xiv. 43, 1, ♂, ♀. *Zett. Ins. Lapp.* 469, 1, ♂, ♀. *St. Farg. Hist. Nat. Ins.* ii. 118, 3, ♂, ♀. *Smith, Zool.* iv. 1449, 1, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 249, 1.

*Apicis longicornis*, *Harris, Expos.* 163, t. 49, f. 5, ♂.

*Apicis tumulorum*, *Sulz. Hym.* 198, t. 27, f. 14, ♂. *Christ. Hym.* 198, t. 17, f. 9, ? ♂. *Don. Brit. Ins.* v. 19, t. 151, 2, ♂.

*Apis tuberculata*, *Fab. Ent. Syst.* ii. 334, 84? ♀. *Panz. Faun. Germ.* 78, 19, ♀.

*Eucera linguaria*, *Fab. Ent. Syst.* ii. 344, 5, ♂? *Kirby, Mon. Ap. Angl.* ii. 282, 60, and *Cab. Mus. Ent. Soc.* ♂. *Panz. Faun. Germ.* 64, 22, not 64, t. 21, ♂.

*Andrena strigosa*, *Panz. Faun. Germ.* 64, 16, ♀.

*Ray, Hist. Ins.* 243, ♂.

*Swamm. Bibl. Nat.* t. 26, f. 6, ♂.

*Geoff. Ins. Par.* ii. 413, 10.

## 24. SAROPODA.

*Apis*, *Panz. Faun. Germ.* 56, 1800.

*Saropoda*, *Latr. Gen. Crust. Ins.* 177, 1809.

*Anthophora*, *St. Farg. Hist. Nat. Ins.* ii. 23, 1841.

### 1. SAROPODA BIMACULATA.

B. M.

*Apis bimaculata*, *Panz. Faun. Germ.* 55, 17, ♀. *Kirby, Mon. Ap. Angl.* ii. 286, 63, ♀.

*Apis rotundata*, *Panz. Faun. Germ.* 56, 9, ♂. *Kirby, Mon. Ap. Angl.* ii. 291, 66, ♂, ♀.

*Anthophora bimaculata*, *Spin. Ins. Lig.* i. 127, 6. *St. Farg. Hist. Nat. Ins.* ii. 36, 11.

*Saropoda bimaculata*, *Curt. Brit. Ent.* viii. t. 361. *Smith, Zool.* iii. 891, 1.

HAB.—Weybridge, Surrey; Hawley, Hants; Shanklin, Isle of Wight.

### 2. SAROPODA VULPINA.

B. M.

*Apis vulpina*, *Panz. Faun. Germ.* 56, 6, ♂. *Kirby, Mon. Ap. Angl.* ii. 290, 65, ♂.

*Apis subglobosa*, Kirby, *Mon. Ap. Angl.* ii. 295, 68, ♀.

*Anthophora vulpina*, Spin. *Ins. Lig.* i. 126, 6.

*Saropoda vulpina*, Smith, *Zool.* iii. 892, 2, ♂, ♀.

HAB.—Battersea; Kentish Town; and Charlton, Kent.

### 3. SAROPODA FURCATA.

B. M.

*Apis furcata*, Panz. *Faun. Germ.* 56, 8, ♂. Kirby, *Mon. Ap. Angl.* ii. 288, 64, ♂, ♀, and t. 17, f. 5, 6.

*Anthophora furcata*, St. Farg. *Hist. Nat. Ins.* ii. 82, 49.

*Megilla furcata*, Nyland. *Act. Soc. Sc. Fenn.* i. 245, 4.

*Saropoda furcata*, Smith, *Zool.* iii. 893, 3.

HAB.—Battersea; Kentish Town Fields; Charlton; Blackwater, Hants, &c.

## 25. ANTHOPHORA.

*Apis*, pt., Linn. *Syst. Nat.* 953, 1766.

*Megilla*, pt., Fab. *Syst. Piez.* 328, 1804.

*Lasius*, pt., Jurine, *Hym.* 1807.

*Anthophora*, Latr. *Gen. Crust. Ins.* iv. 174, 1809.

### 1. ANTHOPHORA RETUSA.

B. M.

*Apis retusa*, Linn. *Faun. Suec. and Cab. Mus. Linn. Soc.* ♀. Kirby, *Mon. Ap. Angl.* ii. 296, 69, ♂, ♀.

*Apis acervorum*, Fab. *Syst. Ent.* 382, 21 (not Linn.) ♀. Rossi, *Faun. Etrus.* ii. 101, 907, ♀. Don. *Brit. Ins.* iii. 98, t. 108, 2, ♀? Panz. *Faun. Germ.* 78, 18, ♀.

*Apis plumipes*, Pallas, *Spicil. Zool.* ix. 24, t. 1. f. 14, ♂. Schrank, *Ins. Aust.* 399, 804.

*Apis pilipes*, Fab. *Syst. Ent.* 383, 28, ♂. Rossi, *Faun. Etrus.* ii. 102, 910. Panz. *Faun. Germ.* 55, 8.

*Apicis audax*, Harris, *Expos.* 137, t. 40, f. 14, ♂.

*Apis rufipes*, Christ. *Hym.* 132, t. 9, f. 1.

*Apis cochlearipes*, Christ. *Hym.* 137, t. 10, f. 3, ♂.

*Apis palmipes*, Rossi, *Faun. Etrus. Mant.* i. 141, 313, & 2 t. 5, f. E.

*Apis Hispanica*, Panz. *Faun. Germ.* 55, 6 (not Fab.)

*Megilla acervorum*, Fab. *Syst. Piez.* 328, 2, ♀.

- Anthophora acervorum*, *Latr. Hist. Nat. Ins.* xiv. 45, 1, ♀.  
*Anthophora hirsuta*, *Latr. Hist. Nat. Ins.* xiv. 47, 3, ♂. *Spin. Ins.*  
*Lig.* i. 126, 3.  
*Lasius pilipes*, *Jurine*, t. 11, gen. 33.  
*Anthophora retusa*, *St. Farg. Hist. Nat. Ins.* ii. 69, 38. *Smith,*  
*Zool.* iii. 894, 1.  
*Megilla retusa*, *Nyland. Act. Soc. Sc. Fenn.* 243, 1.  
*Ray, Hist. Ins.* 247, 4, & 243.  
 HAB.—Britain.

## 2. ANTHOPHORA HAWORTHANA.

B. M.

- Apis Haworthana*, *Kirby, Mon. Ap. Angl.* ii. 307, 70, ♂.  
*Anthophora Haworthana*, *Smith, Zool.* iii. 895, 2, ♂, ♀.  
 HAB.—Hampstead Heath, and Blackheath; Shirley Common;  
 Hawley, Hants; Sandown, Isle of Wight; Bristol, &c.

## 26. APATHUS.

- Apis*, pt., *Fab. Ent. Syst.* ii. 314, 1793.  
*Bombus*, pt., *Fab. Syst. Piez.* 342, 1804.  
*Bremus*, pt., *Jurine, Hym.* 257, 1807.  
*Psithyrus*, *St. Farg. Ann. Soc. Ent. Fr.* i. 1832. *not subgenus*  
*Apathus*, *Newm. Ent. Mag.* ii. 1834.

## 1. APATHUS RUPESTRIS.

B. M.

- Apis rupestris*, *Fab. Ent. Syst.* ii. 320, 26, ♀. *Kirby, Mon. Ap.*  
*Angl.* ii. 369, 108, ♀.  
*Apis Albinella*, *Kirby, Mon. Ap. Angl.* ii. 361, 104, ♂, and *Cab.*  
*Mus. Ent. Soc.*  
*Apis frutetorum*, *Panz. Faun. Germ.* 75, 20, ♂. *Fab. Syst. Piez.*  
 350, 38.  
*Bremus pomorum*, *Panz. Faun. Germ.* 75, 18, ♂.  
*Apis subinterrupta*, *Kirby, Mon. Ap. Angl.* ii. 356, 99, ♂, and *Cab.*  
*Mus. Ent. Soc.*  
*Bombus rupestris*, *Fab. Syst. Piez.* 348, 26. *Latr. Hist. Nat.* xiv.  
 64, 3. *Dahlb. Bomb. Scand.* 51, 33.

- Psithyrus rupestris*, *St. Farg. Hist. Nat. Ins.* ii. 426, 1. *Curtis, Brit. Ent.* x. t. 468. *Nyland. Act. Soc. Sc. Fenn.* 241, 1.  
*Psithyrus frutetorum*, *St. Farg. Hist. Nat. Ins.* ii. 436, 5, ♂ var. ?  
*Apathus rupestris*, *Smith, Zool.* ii. 543, 1.

HAB.—Britain (in the nests of *Bombus lapidarius*).

## 2. APATHUS NEMORUM.

B. M.

- Apis nemorum*, *Fab. Ent. Syst.* ii. 317, 11, and *Cab. Banks. Mus. Linn. Soc.* ♀.  
*Apis veterana*, *Fab. Ent. Syst.* ii. 324, 45, ♂ ?  
*Bremus æstivalis*, *Panz. Faun. Germ.* 89, 16, ♀.  
*Apis vestalis*, *Fourc. Ent. Par.* ii. 450, 27, ♀. *Kirby, Mon. Ap. Angl.* ii. 347, 95, t. 18, f. 3, ♀, not f. 4, ♂.  
*Bombus nemorum*, *Fab. Syst. Piez.* 345, 8, ♀.  
*Bombus vestalis*, *Latr. Hist. Nat.* xiv. 65, 9, ♀. *Dahlb. Bomb. Scand.* 51, 34.  
*Psithyrus vestalis*, *St. Farg. Hist. Nat. Ins.* ii. 430, 3, ♀. *Nyland. Act. Soc. Sc. Fenn.* 241, 3.  
*Apathus nemorum*, *Smith, Zool.* ii. 544, 4, ♂, ♀.

HAB.—London district, &c. (in the nests of *Bombus terrestris*).

## 3. APATHUS CAMPESTRIS.

B. M.

- Apis sylvarum*, *Schrank, Ins. Aust.* 807, ♂ ? not of *Linn.* or *Rossi.*  
*Apis campestris*, *Panz. Faun. Germ.* 74, 11, ♀. *Kirby, Mon. Ap. Angl.* ii. 335, 88, ♀, and t. 18, f. 2, ♀.  
*Apis Rossiella*, *Kirby, Mon. Ap. Angl.* ii. 331, 85, ♂, and t. 18, f. 1.  
*Apis Francisana*, *Kirby, Mon. Ap. Angl.* ii. 334, 87, ♂ var.  
*Apis Leeana*, *Kirby, Mon. Ap. Angl.* ii. 333, 86, ♂ var.  
*Apis subterranea*, *Kirby, Mon. Ap. Angl.* ii. 371, 109, ♂ var.  
*Bombus campestris*, *Fab. Syst. Piez.* 344, 7, ♀. *Dahlb. Bomb. Scand.* 51, 34, ♀.  
*Bombus Rossiellus*, *Dahlb. Bomb. Scand.* 40, 15, ♂.  
*Psithyrus campestris*, *St. Farg. Hist. Nat. Ins.* ii. 433, 4, ♀. *Nyland. Act. Soc. Sc. Fenn.* 242, 4, ♀.  
*Apathus campestris*, *Smith, Zool.* ii. 543, 2, ♂, ♀.  
*Psithyrus Francisanus*, *Nyland. Act. Soc. Sc. Fenn.* 241, 2, ♂.  
*Psithyrus Rossiellus*, *Nyland. Act. Soc. Sc. Fenn.* 242, 5, ♂.

HAB.—Britain.

## 4. APATHUS BARBUTELLUS.

B. M.

*Apis Barbutella*, Kirby, *Mon. Ap. Angl.* ii. 343, 93, *Exclus. Syn.* and t. 18, f. 4, ♂.

*Apathus Barbutellus*, Smith, *Zool.* ii. 543, 3.

HAB.—Britain (in nests of *Bombus pratorum*).

## 27. BOMBUS.

*Apis*, pt., *Linn. Syst. Nat.* 953, 1766.

*Bombus*, *Lat. Hist. Nat. Ins.* xiv. 63, 1802.

*Bremus*, *Jurine, Hym.* 1807.

## 1. BOMBUS MUSCORUM. The Carder Bee.

B. M.

*Apis muscorum*, *Linn. Faun. Suec.* 1714, and *Cab. Mus. Linn. Soc.* (No. 32), *Ed. 10. Syst. Nat. Fourc. Ent. Par.* ii. 451, 29.

*Apis collium*, *Scop. Ent. Carn.* 823.

*Apis fasciata*, *Scop. Ann. Hist. Nat.* iv. 12, 7.

*Apicis vulgo*, *Harris, Expos.* 137, 13, t. 40, f. 13, ♀.

*Apicis melinus*, *Harris, Expos.* 138, 17, t. 40, f. 17, ♂.

*Apis agrorum*, *Fab. Ent. Syst.* ii. 321, 29, ♀, (var.)? Kirby, *Mon. Ap. Angl.* ii. 326, 81, ♀ (var.)

*Apis floralis*, Kirby, *Mon. Ap. Angl.* ii. 321, 76, ♀, and *Cab. Mus. Ent. Soc.* and t. 17, f. 14, ♂.

*Apis Beckwithella*, Kirby, *Mon. Ap. Angl.* ii. 323, 78, ♀, var. β, ♂, and *Cab. Mus. Ent. Soc.*

*Apis Sowerbiana*, Kirby, *Mon. Ap. Angl.* ii. 322, 77, ♂, and *Cab. Mus. Ent. Soc.*

*Apis Curtisella*, Kirby, *Mon. Ap. Angl.* ii. 324, 79, ♂, and *Cab. Mus. Ent. Soc.*

*Apis Francillonella*, Kirby, *Mon. Ap. Angl.* ii. 319, 75, ♂, and *Cab. Mus. Ent. Soc.* and t. 17, f. 13.

*Apis Forsterella*, Kirby, *Mon. Ap. Angl.* ii. 325, 80, ♂, and *Cab. Mus. Ent. Soc.*

*Bremus agrorum*, *Panz. Faun. Germ.* 85, 20.

*Bombus agrorum*, *Fab. Syst. Piez.* 348, 30, ♀. *Dahlb. Bomb. Scand.* 48, 28, ♂, ♀, ♂. *Nyland. Act. Soc. Sc. Fenn.* 228, 4.

*Bombus muscorum*, Smith, *Zool.* ii. 545, 2, ♂, ♀, ♂.

*Bombus miniorum*, *Nyland. Act. Soc. Sc. Fenn.* 240, 29, var.?

L'abeille fauve à ventre jaune et extrémité fauve, *Geoff. Ins. Par.* ii. 419, 42.

HAB.—Britain. Constructs its nest of moss.

## 2. BOMBUS SENILIS.

B. M.

- Apis senilis, *Fab. Syst. Ent.* 382, 26, and *Cab. Banks. Mus. Linn. Soc.* (var. ♂). *Rossi, Faun. Etrus.* ii. 102, 909, ♂.
- Apis muscorum, *Fab. Syst. Ent.* 381, 17, ♀. *Schrank, Ins. Aust.* 801. *Rossi, Faun. Etrus.* ii. 100, 904. *Christ. Hym.* 130, t. 8, f. 3, and 142, t. 11, f. 8, ♂. *Kirby, Mon. Ap. Angl.* ii. 317, 74, and *Cab. Mus. Ent. Soc. Don. Eng. Ins.* xi. 70, t. 382, f. 2.
- Apicis impavidus, *Harris, Expos.* 131, 6, t. 38, f. 6, ♀.
- Apicis melleus, *Harris, Expos.* 138, 18, t. 11, f. 18.
- Apis pygmæus, *Fab. Ent. Syst.* ii. 324, 44, ♂.
- Bombus muscorum, *Fab. Syst. Piez.* 349, 32. *Latr. Hist. Nat.* xiv. 65, 7. *Dahlb. Bomb. Scand.* 47, 27. *Nyland. Act. Soc. Sc. Fenn.* 227, 1.
- Bombus senilis, *Fab. Syst. Piez.* 352, 50. *Smith, Zool.* ii. 544, 1.
- Bombus pygmæus, *Fab. Syst. Piez.* 258, 54, ♂?
- Bremus muscorum, *Jurine, Hym.* 261.
- Bombus cognatus, *Steph. Brit. Ent. Mand. Supp.* vii. 17, t. 43, f. 3, ♀?
- Bombylius, *Ray, Hist. Ins.* 246, 3.
- Bourdon, 32, t. 2. f. 1, 2, 3. *Reaum. vi. Mem.* i.
- HAB.—Britain. Constructs a nest of moss.

## 3. BOMBUS FRAGRANS.

B. M.

- Apis fragrans, *Pallas, It.* i. 474, 75. *Kirby, Mon. Ap. Angl.* ii. 329, 88, ♂.
- Apis equestris, *Fab. Ent. Syst.* ii. 320, ♀.
- Apis pratorum, *Fab. Ent. Syst.* ii. 322, 34.
- Bombus equestris, *Fab. Syst. Piez.* 347, 22.
- Bombus pratorum, *Fab. Syst. Piez.* 349, 36.
- Bombus fragrans, *Dahlb. Bomb. Scand.* 46, 26, f. 16. *St. Farg. Hist. Nat. Ins.* i. 464, 9. *Smith, Zool.* ii. 545, 3. *Nyland. Act. Soc. Sc. Fenn.* 229, 6.

HAB.—London district, and Yorkshire. Constructs a nest of moss.

## 4. BOMBUS SYLVARUM.

B. M.

- Apis sylvarum, *Linn. Faun. Suec.* 1713, and *Cab. Mus. Linn. Soc. Scop. Ent. Carn.* 822. *Fab. Syst. Ent.* 321, 27. *Rossi, Faun. Etrus.* ii. 906. *Kirby, Mon. Ap. Angl.* ii. 386, 21, t. 17, f. 15, ♀, f. 16, ♂.

*Bremus sylvarum*, *Panz. Faun. Germ.* 85, 19.  
*Bombus sylvarum*, *Fab. Syst. Piez.* 348, 27. *Latr. Hist. Nat.* xiv.  
 65, 8. *Illig. Mag.* v. 164, 9. *Dahlb. Bomb. Scand.* 44, 24.  
*St. Farg. Hist. Nat. Ins.* i. 463, 8. *Smith, Zool.* ii. 546, 4.  
*Nyland. Act. Soc. Sc. Fenn.* 236, 22.

*Huber, Obs. Trans. Linn. Soc.* vi. 227, t. 25, f. 13, 18.

HAB.—Britain. Constructs its nest of moss.

### 5. BOMBUS ERICETORUM.

*Apis ericetorum*, *Panz. Faun. Germ.* 75, 19, ♀ ?

*Bombus ericetorum*, *Fab. Syst. Piez.* 345, 12? *Curtis, Brit. Ent.*  
 xii. t. 564 *Smith, Zool.* ii. 546, 5.

HAB.—Scotland.

### 6. BOMBUS LUCORUM.

B. M.

*Apis lucorum*, *Linn. Faun. Suec.* 1716, and *Cab. Mus. Linn. Soc.* ♂.  
*Fab. Syst. Ent.* ii. 322, 35. *Schrank, Ins. Aust.* 808. *Kirby,*  
*Mon. Ap. Angl.* ii. 336, 89.

*Apis hortorum*, *Scop. Ent. Carn.* 817, ♀. *Fab. Syst. Ent.* ii. 320,  
 22.

*Apis terrestris*, *Christ. Hym.* 127, t. 7, f. 2, ♀. *Kirby, Mon. Ap.*  
*Angl.* ii. 350, and *Cab. Mus. Ent. Soc.* (not var.  $\gamma$ .)

*Apis cæspitum*, *Panz. Faun. Germ.* 31, 19, ♂.

*Apis virginalis*, *Kirby, Mon. Ap. Angl.* ii. 349, 95, and *Cab. Mus.*  
*Ent. Soc.* ♂.

*Bombus lucorum*, *Fab. Syst. Piez.* 350, 37, ♂. *Dahlb. Bomb.*  
*Scand.* 42, 20, ♂. *Smith, Zool.* ii. 546, 6, ♂, ♀, ♂.

*Bombus virginalis*, *Illig. Mag.* v. 167, 20, ♂. *Dahlb. Bomb. Scand.*  
 35, 6. *Nyland. Act. Soc. Sc. Fenn.* 233, 14.

HAB.—Britain. Burrows in the ground.

### 7. BOMBUS HORTORUM.

B. M.

*Apis hortorum*, *Linn. Faun. Suec.* 1710, and *Cab. Mus. Linn. Soc.*  
 ♀. *Schrank, Ins. Aust.* 797. *Rossi, Faun. Etrus.* ii. 100,  
 903 ?

*Apicis fidens*, *Harris, Expos.* 130, 3, t. 38, f. 3, ♀.

*Apis ruderata*, *Fab. Syst. Ent.* 380, 7, ♀. *Christ. Hym.* 128, t. 7,  
 f. 4.

- Apis terrestris*, *Rossi, Faun. Etrus.* ii. 99, 902, ♀.  
*Bombus ruderatus*, *Fab. Syst. Piez.* 344, 6, ♀.  
*Bombus hortorum*, *Latr. Hist. Nat.* xiv. 65, 5, ♀. *Illig. Mag.* v. 166, 17. *Walck. Ins. Par.* ii. 146. *Dahlb. Bomb. Scand.* 38, 12, ♂, ♀, ♂. *Smith, Zool.* ii. 546, 7. *Nyland. Act. Soc. Sc. Fenn.* 231, 11.  
*Ray, Hist. Ins.* 248, 11.  
*Geoff. Hist. Ins.* ii. 418, 25.  
*Huber, Obs.* 226, t. 25, f. 10—12.  
 HAB.—Britain. Burrows in the ground.

## 8. BOMBUS SCRIMSHIRANUS.

B. M.

- Apis Jonella*, *Kirby, Mon. Ap. Angl.* ii. 338, 90, ♂, and *Cab. Mus. Ent. Soc.* ?  
*Apis Scrimshirana*, *Kirby, Mon. Ap. Angl.* ii. 342, 92, ♀, and *Cab. Mus. Ent. Soc.*  
*Bombus Scrimshiranus*, *Illig. Mag.* v. 166, 18. *Dahlb. Bomb. Scand.* 39, 13, ♀, ♂. *Smith, Zool.* ii. 547, ♂, ♀, ♂. *Nyland. Act. Soc. Sc. Fenn.* 232, 12, ♀, ♂.  
*Bombus Jonellus*, *Illig.* v. 166, 16, ♂. *Dahlb. Bomb. Scand.* 43, 21, ♂ ?  
 HAB.—London district.

## 9. BOMBUS SUBTERRANEA.

B. M.

- Apis subterranea*, *Linn. Faun. Suec.* 1718, and *Cab. Mus. Linn. Soc.* ♀. *Fab. Syst. Ent.* 382, 22. *Fourc. Ent. Par.* ii. 448, 21. *Rossi, Faun. Etrus. Mant.* 315.  
*Apis soroensis*, *Fab. Ent. Syst.* ii. 318, 12, (var.) ♀. *Panz. Faun. Germ.* vii. 11. *Kirby, Mon. Ap. Angl.* ii. 354, 98.  
*Apis neutra*, *Panz. Faun. Germ.* 83, 18, ♂.  
*Bombus neuter*, *Fab. Syst. Piez.* 347, 24, ♂. *St. Farg. Hist. Nat. Ins.* i. 469, 15.  
*Bombus soroensis*, *Fab. Syst. Piez.* 345, 10, ♀, var. *Latr. Hist. Nat.* xiv. 65, 6, ♀. *Zett. Ins. Lapp.* 473, 3, ♀. *Dahlb. Bomb. Scand.* 38, 11. *Nyland. Act. Soc. Sc. Fenn.* 239, 28, ♀. *Smith, Zool.* 547, 9 (var. *B. Tunstallana*).  
*Bombus subterraneus*, *Fab. Syst. Piez.* 350, 39, ♀. *Dahlb. Bomb. Scand.* 32, 3, ♀. *Nyland. Act. Soc. Sc. Fenn.* 239, 27, ♀.  
*Bombus flavo-nigrescens*, *Smith, Zool.* iv. 1566, ♂, ♀, ♂.  
 HAB.—Britain. Burrows in the ground.



## 10. BOMBUS LATREILLELLUS.

B. M.

- Apis Latreillella*, Kirby, *Mon. Ap. Angl.* ii. 330, 84, ♂, and *Cab. Mus. Ent. Soc.*  
*Apis Tunstallana*, Kirby, *Mon. Ap. Angl.* ii. 346, 94, ♀, and *Cab. Mus. Ent. Soc.*  
*Apis maura*, Christ. *Hym.* 131, t. 8, f. 8, ♂?  
*Bombus Latreillellus*, Illig. *Mag.* v. 165, 11, ♂. *Dahlb. Bomb. Scand.* 39, 14, ♂. *Nyland. Act. Soc. Sc. Fenn.* 234, 18.  
*Bombus soroensis*, Smith, *Zool.* ii. 547, 9, ♂, ♀, var.  
*Bombus Tunstallana*, Nyland. *Act. Soc. Sc. Fenn.* 231, 10, ♀.  
 HAB.—Britain. Burrows in the ground.

## 11. BOMBUS TERRESTRIS. The Humble Bee, Dumbledor. B. M.

- Apis terrestris*, Linn. *Faun. Suec.* 1709, and *Cab. Mus. Linn. Soc.* ♀. *Scop. Ent. Carn.* 815, & f. 815, ♀. *Fab. Syst. Ent.* 379, 5. *Schrank, Ins. Aust.* 395, 796. *Rossi, Faun. Etrus.* ii. 99, 902, not var. describ. *Don. Brit. Ins.* iii. 41, t. 88, f. 1. *Panz. Faun. Germ.* 1, 16. *Kirby, Mon. Ap. Angl.* ii. 350, var. γ. *Acul. Apicis audax*, Harris, *Expos.* 130, t. 38, f. 1.  
*Bombus terrestris*. *Latr. Hist. Nat. Ins.* xiv. 64, 1. *Fab. Syst. Piez.* 343, 4. *Dahlb. Bomb. Scand.* 34, 5, f. 5. *St. Farg. Hist. Nat. Ins.* i. 467, 13. *Nyland. Act. Soc. Sc. Fenn.* 232, 13? *Smith, Zool.* ii. 547, 10.  
*Ray, Hist. Ins.* 247, 5, ♂, & 248, 15, ♀.  
*Reaum. Ins. vi. Mem.* 1st, 2, t. 3, f. 1.  
*Frisch. Ins.* ix. 17, f. 13, ♀.  
*Sultz. Ins.* t. 19, f. 124.  
*Schæff. Icon.* t. 251, f. 7.

HAB.—Britain. In the ground, under stones, &c.

## 12. BOMBUS PRATORUM.

B. M.

- Apis pratorum*, Linn. *Faun. Suec.* 1711, and *Cab. Mus. Linn. Soc.* ♂, *Schrank, Ins. Aust.* 798. *Kirby, Mon. Ap. Angl.* ii. 360, 103.  
*Apis collaris*, Scop. *Ent. Carn.* 818, ♂.  
*Apis vereor*, Harris, *Expos.* 136, t. 40, f. 9, ♂.  
*Apis formido*, Harris, *Expos.* 136, t. 40, f. 10, ♂?  
*Apis regalis*, Fourc. *Ent. Par.* 449, 24, ♂.  
*Apis bistriata*, Christ. *Hym.* 128, t. 7, f. 3, ♀.

- Apis arbustorum*, *Fab. Ent. Syst.* ii. 320, 24, ♂.  
*Apis subinterrupta*, *Kirby, Mon. Ap. Angl.* ii. 356, 99, ♀, t. 18, f. 5,  
*and Cab. Mus. Ent. Soc.*  
*Apis Burrellana*, *Kirby, Mon. Ap. Angl.* ii. 358, 101, ♂, *and Cab.*  
*Mus. Ent. Soc.*  
*Bremus truncorum*, *Panz. Faun. Germ.* 85, 21.  
*Bombus arbustorum*, *Fab. Syst. Piez.* 347, 23. *Zett. Ins. Lapp.*  
 473, 5.  
*Bombus subinterruptus*, *Latr. Hist. Nat.* xiv. 64, 4. *St. Farg. Hist.*  
*Nat. Ins.* i. 461, 5. *Illig. Mag.* v. 167, 20. *Dahlb. Bomb.*  
*Scand.* 35, 7.  
*Bombus ephippium*, *Dahlb. Bomb. Scand.* 37, 10, ♂. *Zett. Ins.*  
*Lapp.* 473, 6, ♀.  
*Bombus Burrellanus*, *Dahlb. Bomb. Scand.* 43, 22, ♂.  
*Bombus pratorum*, *Smith, Zool.* ii. 548, 11.  
 HAB.—Britain. Constructs a nest of moss.

## 13. BOMBUS CULLUMANUS.

B. M.

- Apis Cullumana*, *Kirby, Mon. Ap. Angl.* ii. 359, 102, ♂, *and Cab.*  
*Mus. Ent. Soc.*  
*Apis Donovanella*, *Kirby, Mon. Ap. Angl.* ii. 357, 100, t. 18, f. 6,  
 ♀, *and Cab. Mus. Ent. Soc.*  
*Apis pratorum*, *Smith, Zool.* ii. 548, 11, var. ♂, ♀.  
 HAB.—Coombe Wood, and Bristol.

## 14. BOMBUS COLLINUS.

B. M.

- Bombus collinus*, *Smith, Zool.* ii. 548, 17, ♂.  
 HAB.—Westow, Yorks; Bristol; and Brighton Downs.

## 15. BOMBUS MONTICOLA.

B. M.

- Bombus regelationis*, *Newm. Ent. Mag.* ii. 327, not of *Panz.*  
*Bombus montanus*, *Smith, Zool.* ii. 549, 13, ♂, ♀, ♂, not of *St.*  
*Farg.*  
*Bombus monticola*, *Smith, Zool.* vii. *App.* 59.  
*Bombus Lefebvrei*, *St. Farg. Hist. Nat. Ins.* i. 461, 4, ♀.  
 HAB.—Black Mountain, opposite to Llantony Abbey, Brecknock-  
 shire, S. Wales; Herefordshire and Monmouthshire; Hills,  
 near Halifax, Yorkshire.

## 16. BOMBUS DERHAMELLUS.

B. M.

- Apis Derhamellus, *Kirby, Mon. Ap. Angl.* ii. 363, 105, and *Cab. Mus. Ent. Soc.* ♂.
- Apis Raiellus, *Kirby, Mon. Ap. Angl.* ii. 367, 107, and *Cab. Mus. Ent. Soc.* ♀.
- Bombus Derhamellus, *Dahlb. Bomb. Scand.* 44, 23, ♂, ♀, ♂.
- Bombus Raiellus, *Illig. Mag.* v. 169, 31. *Smith, Zool.* ii. 550, 15. *Nyland. Act. Soc. Sc. Fenn.* 238, 26.
- Bombylus minor, *Ray, Hist. Ins.* 246, 2.
- HAB.—Britain. Constructs a nest of moss.

## 17. BOMBUS LAPIDARIUS.

B. M.

- Apis lapidaria, *Linn. Faun. Suec.* 1712, and *Cab. Mus. Linn. Soc.* ♀. *Scop. Ent. Carn.* 813, & f. 813, ♀, No. 1. *Fab. Syst. Ent.* 381, 14. *Schrank, Ins. Aust.* 799. *Fourc. Ent. Par.* ii. 449, 22. *Christ.* 126, & t. 7, f. 1, ♀. *Don. Eng. Ins.* iii. 97, & t. 108, f. 1, ♀, t. 58, f. 2, ♂. *Kirby, Mon. Ap. Angl.* ii. 363, 106, ♂, ♀, ♂.
- Apicis pertristis, *Harris, Expos.* 137, & t. 40, f. 14, ♂.
- Apicis opis, *Harris, Expos.* 137, t. 40, f. 12, ♂.
- Apis coronata, *Fourc. Ent. Par.* ii. 449, 23, ♂.
- Apis arbustorum, *Fab. Ent. Syst.* ii. 320, 24, ♂.
- Bremus truncorum, *Panz. Faun. Germ.* 85, 21, ♂.
- Bombus lapidarius, *Latr. Hist. Nat. Ins.* xiv. 64, 2, ♀. *Fab. Syst. Piez.* 347, 2. *Dahlb. Bomb. Scand.* 30, 1, ♂, ♀, ♂. *St. Farg. Hist. Nat. Ins.* i. 460, 3. *Smith, Zool.* ii. 549, 14. *Nyland. Act. Soc. Sc. Fenn.* 238, 25.
- Ray, Hist. Ins.* 247, No. 7.
- Reaum.* vi. 2, 3, t. 1, f. 1—4.
- Schäff. Icon. Ins.* t. 69, f. 9.
- Huber. Obs. Linn. Trans.* vi. 223, t. 25, f. 1, 2, 3.
- HAB.—Britain. Under stones, &c.

## 18. BOMBUS HARRISELLUS.

- Apis Harrisella, *Kirby, Mon. Ap. Angl.* ii. 373, 110, & t. 18, f. 7, 8, ♂, ♀.
- Bombus Harrisellus, *Smith, Zool.* ii. 550, 16.
- Bombus subterranea, *Dahlb. Mon. Bomb. Scand.* 33, 3? not B. subterranea, *Linn.*
- HAB.—London district; Barham, Suffolk; Epping.

## 28. APIS.

Apis, *Auctorum.*

## 1. APIS MELLIFICA. The Hive Bee; Honey Bee, &amp;c. B. M.

*Apis mellifica*, *Linn. Faun. Suec.* 1697. *Scop. Ent. Carn.* 811. *Fab. Syst. Ent.* 383, 30. *Sulz. Ins.* t. 19, f. 123. *Harris, Expos.* t. 39, f. 9, 10. *Schrank, Ins. Aust.* 813. *Rossi, Faun. Etrus.* ii. 103, 912. *Christ. Hym.* 73, t. 1, f. 1, ♂, t. 2, f. 5, ♀, t. 3, f. 1, ♂. *Don. Brit. Ins.* xiv. 63, t. 492. *Kirby, Mon. Ap. Angl.* ii. 312, 73, & t. 17, f. 10, 11, 12. *Panz. Faun. Germ.* 85, t. 16, ♂, t. 17, ♀, t. 18, ♂. *Latr. Hist. Nat.* xiv. 66, 1. *Spin. Ins. Lig.* i. 35, 15. *Jurine, Hym.* 244, t. 12, gen. 35, ♀. *Curt. Brit. Ent.* xvi. t. 769, ♂, ♀, ♂. *St. Farg. Hist. Nat. Ins.* i. 401, 1. *Nyland. Act. Soc. Sc. Fenn.* 226, 1.

*Apis cerifera*, *Scop. Ann. Hist. Nat.* iv. 16, 16.

*Apis gregaria*, *Geoff. Ins.* ii. 407, 1.

L'Abeille domestique, *Apis mellifera*, *Ent. Par.* ii. 442, 1.

*Apis domestica*, *Ray, Hist. Ins.* 240.

*Reaum. Ins.* v. t. 22, f. 1, ♂, f. 2, ♂, f. 4, ♀, & t. 25, f. 1, ♂, f. 10, ♂, f. 16, 17, ♀.

*Swamm. Bibl. Nat.* t. 17, f. 1, 2, ♂, 3, ♀, 4, ♂.

HAB.—Britain.

Fam. 2. CHRYSIDIDÆ, *Leach.*

*Chrysidides*, *Latr. Hist. Nat. Ins.* xiii. 1802.

*Chrysidida*, *Leach, Enc. Edinb.* 1812.

*Chrysididæ*, *Leach, Enc. Edinb.* 1817.

*Chrysidites*, *Newm. Ent. Mag.* ii. 1834.

## 1. CLEPTES.

*Sphex*, pt., *Linn. Faun. Suec.* 411, 1761.

*Chrysis*, pt., *Fab. Syst. Ent.* 357, 1775.

*Ichneumon*, pt., *Fab. Mant.* 259, 1787.

*Cleptes*, *Latr. Hist. Nat. Ins.* xiii. 236, 1805.

## 1. CLEPTES SEMIAURATA.

B. M.

*Sphex semiaurata*, *Linn. Faun. Suec.* 1661. *Schrank, Ins. Aust.* 781.

*Chrysis semiaurata*, *Fab. Syst. Ent.* 359, 14. *Oliv. Enc. Méth.* ii. 676, 21.

*Ichneumon semiauratus*, *Fab. Mant.* i. 269, 127. *Rossi, Faun. Etrus.* ii. 53, 790, ♂, t. 6, f. 1 & 7. *Panz. Faun. Germ.* 51, 2, ♂.

*Ichneumon splendens*, *Fab. Ent. Syst. Supp.* 229, 211, ♂.

*Ichneumon auratus*, *Panz. Faun. Germ.* 52, 1, ♀.

*Cleptes semiaurata*, *Latr. Hist. Nat.* xiii. 236, 1. *Fab. Syst. Piez.* 154, 1. *Shuck. Ent. Mag.* iv. 158, 1. *St. Farg. Hist. Nat. Ins.* iv. t. 37, f. 2.

La Guêpe dorée cuivreuse à ventre fauve & noir, *Geoff. Ins. Par.* ii. 384, 24.

HAB.—London district, &c.

## 2. CLEPTES NITIDULA.

B. M.

*Ichneumon nitidulus*, *Fab. Ent. Syst.* ii. 184, 211, *Exclus. Synon. Rossius. Coqueb. Icon.* i. t. 4, f. 5.

*Cleptes nitidula*, *Latr. Hist. Nat. Ins.* xiii. 236, 2. *Fab. Syst. Piez.* 154, 2. *Shuck. Ent. Mag.* iv. 159, 2. *Curt. Brit. Ent. St. Farg. Hist. Nat. Ins.* iv.

HAB.—Suffolk; New Forest; and Scotland.

## 2. CHRYSIS.

*Chrysis*, pt., *Linn. Faun. Suec.* 414, 1761.

*Sphex*, pt., *Scop. Ent. Carn.* 290, 1771.

## 1. CHRYSIS IGNITA.

B. M.

*Chrysis ignita*, *Linn. Faun. Suec.* 1665, and *Cab. Mus. Linn. Soc. Fab. Syst. Ent.* 358, 6. *Schrank. Ins. Aust.* 387, 782. *Rossi, Faun. Etrus.* ii. 74, 842. *Oliv. Enc. Méth.* ii. 673, 11. *Christ. Hym.* 404, t. 45, 1. *Don. Brit. Ins.* i. 19, t. 7. *Panz. Faun. Germ.* v. 22. *Latr. Hist. Nat.* xiii. 238, 4. *Spin. Ins. Lig.* i. 64, 6. *St. Farg. Ann. du Mus.* vii. 126, 12, & *Hist. Nat. Ins.* iii. t. 37, f. 6. *Dahlb. Mon. Chrysid.* 7, 2. *Shuck. Ent. Mag.* iv. 161, 1, ♂, ♀, and var. 1—6. *Zett. Ins. Lapp.* 433, 2.

*Sphex ignita*, *Scop. Ent. Carn.* 791, f. 791.  
*La Guêpe dorée*, *Geoff. Ins. Par.* ii. 382, 20.  
*De Geer. Ins.* ii. t. 28, f. 17, 18.

*Vespa ignita*, *Fourc. Ins. Par.* ii. 440, 25.

HAB.—Britain (Nests of *Ancistrocerus parietinus*, &c.).

## 2. CHRYSIS RUDDII.

B. M.

*Chrysis Ruddii*, *Shuck. Ent. Mag.* iv. 163, 2.

HAB.—London district; Bristol; New Forest; Yorks.

## 3. CHRYSIS FULGIDA.

B. M.

*Chrysis fulgida*, *Linn. Faun. Suec.* 1669, and *Cab. Mus. Linn. Soc. Schrank, Ins. Aust.* 783. *Fab. Mant.* i. 283, 7. *Oliv. Enc. Méth, Ins.* ii. 673, 9. *St. Farg. Ann. Mus. Hist. Nat.* vii. 126. 13. *Panz. Faun. Germ.* 79, 15. *Spin. Ins. Lig.* i. 64, 4. *Latr. Hist. Nat.* xiii. 237, 2. *Curtis, Brit. Ent.* i. t. 8. *Dahlb. Mon. Chrysid. Suec.* 7, 1. *Shuck. Ent. Mag.* iv. 164, 3. *Zett. Ins. Lapp.* 433, 1.

HAB.—Kent; London district; Hants, &c.

## 4. CHRYSIS ORNATUS.

*Chrysis ornatus*, *Smith, Zool.* ix. *App.* 125.

HAB.—Bristol.

## 5. CHRYSIS ORNATRIX.

B. M.

*Chrysis ornatrix*, *Christ. Hym.* 403, t. 44, f. 12.

*Chrysis Stoudera*, *Jurine*, t. 12, gen. 9. *Spin. Ins. Lig.* ii. 26, 26. *Shuck. Ent. Mag.* iv. 165, 4.

HAB.—Darent Wood; Camberwell, &c.

## 6. CHRYSIS ANALIS.

*Chrysis analis*, *Spin. Ins. Lig.* ii. 26, 26. *Shuck. Ent. Mag.* iv. 165, 5.

HAB.—Yarm, Yorks?

## 7. CHRYSIS BIDENTATA.

B. M.

*Chrysis bidentata*, *Linn. Syst. Nat.* i. 947, 2. *Fab. Syst. Ent.* 358, 7. *Christ. Hym.* 398, t. 44, f. 2. *Oliv. Enc. Méth. Ins.* ii. 674, 12. *Panz. Faun. Germ.* 77, 15. *Don. Brit. Ins.* i. t. 19. *St. Farg. Ann. Mus. Hist. Nat.* vii. 128, 23. *Dahlb. Mon. Chrysid. Suec.* vii. 3. *Shuck. Ent. Mag.* iv. 165, 6.

*Chrysis dimidiata*, *Fab. Ent. Syst. Supp.* 258, 15—16. *Latr. Hist. Nat.* xiii. 238, 5. *St. Farg. Ann. Mus. Hist. Nat.* vii. 127, 20. *Spin. Ins. Lig.* ii. 170, 15.

*De Geer, Ins.* ii. 159, 2, t. 29, f. 3, 4.

HAB.—Britain (in nests of *Odynerus spinipes*, &c.)

## 8. CHRYSIS SUCCINCTA.

B. M.

*Chrysis succincta*, *Linn. Syst. Nat.* i. 947, 3. *Fab. Syst. Ent.* 358, 8. *Rossi, Faun. Etrus.* ii. 76, 846. *Christ. Hym.* 400, t. 44, f. 6. *Panz. Faun. Germ.* 77, 16. *Oliv. Enc. Méth.* ii. 674, 14. *St. Farg. Ann. Mus. Hist. Nat.* vii. 128, 24. *Spin. Ins. Lig.* i. 64, 7. *Shuck. Ent. Mag.* iv. 166, 7.

HAB.—Brockenhurst, New Forest; Bristol; and Blackwater, Hants.

## 9. CHRYSIS CYANEA.

B. M.

*Chrysis cyanea*, *Linn. Syst. Nat.* i. 948, 5. *Fab. Syst. Ent.* 359, 11. *Piez.* 176, 29. *Rossi, Faun. Etrus.* ii. 76, 845. *Oliv. Enc. Méth. Ins.* ii. 675, 19. *Christ. Hym.* 403, t. 44, f. 11. *Don. Brit. Ins.* vii. 51, t. 235. *Panz. Faun. Germ.* 51, 10. *Schrank, Faun. Boic.* ii. 345, 2199. *Latr. Hist. Nat.* xiii. 238, 6. *St. Farg. Ann. Mus. Hist. Nat.* vii. 128, 22. *Shuck. Ent. Mag.* iv. 167, 8.

HAB.—Britain (in the nests of *Chelostoma florissomnis*).

## 10. CHRYSIS CUPREA.

B. M.

*Chrysis cuprea*, *Rossi, Faun. Etrus.* ii. 78, 851.

*Chrysis cœrulescens*, *Fab. Ent. Syst. Supp.* 257, 9—10. *Coqueb. Illus.* 59, t. 14, f. 5.

*Chrysis cœrulipes*, *Fab. Syst. Piez.* 173, 13. *Spin. Ins. Lig.* i. 64, 5. *Shuck. Ent. Mag.* iv. 167, 9.

*Chrysis Leachii*, *Steph. Cat.* 5308.

HAB.—Not known.

## 11. CHRYSIS AUSTRIACA.

B. M.

*Chrysis Austriaca*, *Fab. Syst. Piez.* 173, 15? *St. Farg. Ann. Mus. Nat. Hist.* vii. 128, 28. *Shuck. Ent. Mag.* iv. 168, 11.

HAB.—Hampstead; Battersea; Bexley, Kent; the Grampians, Scotland (in the nests of *Osmia parietina*).

12. CHRYSIS NEGLECTA, *Shuck.*

B. M.

*Chrysis rufa*, *Steph. Cat.* 392, 5306, not of *Panz.*

*Chrysis neglecta*, *Shuck. Ent. Mag.* iv. 169, 12.

HAB.—Britain (in the nests of *Odynerus spinipes*, and of *Osmia bicornis*).

## 3. EUCHRÆUS.

*Eucharis*, *Latr. Hist. Nat. Ins.* xiii. 1805.

*Euchræus*, *Latr. Gen. Crust. Ins.* iv. 1809.

## 1. EUCHRÆUS QUADRATUS.

B. M.

*Euchræus sexdentata*, *Latr. Nouv. Dict.* x. 529, not of *Fab.* or *Panz.*

*Euchræus quadratus*, *Leach, MSS.* *Shuck. Ent. Mag.* iv. 169, 1.

HAB.—Swansea.

## 4. HEDYCHRUM.

*Chrysis*, pt., *Linn. Faun. Suec.* 414, 1761.

*Sphex*, pt., *Scop. Ent. Carn.* 290, 1771.

*Omalus*, *Panz. Faun. Germ.* 97, 1806.

*Hedychrum*, *Latr. Hist. Nat. Ins.* xiii. 1805.

## 1. HEDYCHRUM REGIUM.

B. M.

*Chrysis regia*, *Fab. Ent. Syst.* ii. 243, 19. *Coqueb. Illus.* 60, t. 14, f. 8. *Panz. Faun. Germ.* 51, 9. *Spin. Ins. Lig.* i. 65, 11.

*Hedychrum regium*, *St. Farg. Ann. Mus. Hist. Nat.* vii. 122, 4. *Shuck. Ent. Mag.* iv. 171, 1.

HAB.—Sandown, Isle of Wight.



## 2. HEDYCHRUM NOBILE.

B. M.

*Sphex nobilis*, Scop. *Ent. Carn.* 792, f. 792.

*Chrysis nobilis*, Schrank, *Ins. Aust.* 784. *Christ. Hym.* 400, t. 44, f. 5.

*Chrysis lucidula*, Fab. *Syst. Ent.* 358, 9. Rossi, *Faun. Etrus.* ii. 76, 847. Oliv. *Enc. Méth. Ins.* ii. 675, 15. Coqueb. *Illus.* 58, t. 14, f. 4. Spin. *Ins. Lig.* i. 64, 8.

*Chrysis fervida*, Panz. *Faun. Germ.* 51, 6.

*Hedychrum lucidulum*, Latr. *Hist. Nat.* xiii. 239, 2. St. Farg. *Ann. Mus. Hist. Nat.* vii. 122, 9, & *Hist. Nat. Ins.* iii. t. 37, f. 5. Shuck. *Ent. Mag.* iv. 171, 2.

Geoff. *Ins. Par.* ii. 382, 19.

HAB.—Devonshire ; London district ?

## 3. HEDYCHRUM VIOLACEUM.

B. M.

*Sphex violacea*, Scop. *Ent. Carn.* 793, f. 793.

*Chrysis violacea*, Rossi, *Faun. Etrus.* ii. 77, 848. *Christ. Hym.* 405.

*Hedychrum cærulescens*, St. Farg. *Ann. Mus. Hist. Nat.* vii. 122, 10, f. 10. Shuck. *Ent. Mag.* iv. 172, 3.

HAB.—Not known.

## 4. HEDYCHRUM ARDENS.

B. M.

*Chrysis ardens*, Coqueb. *Illus. Icon. Ins.* 59, t. 14, f. 7 ?

*Hedychrum nitidum*, St. Farg. *Ann. Mus. Hist. Nat.* vii. 123, 12, f. 5.

*Hedychrum ardens*, Curt. *Brit. Ent.* i. t. 38. Shuck. *Ent. Mag.* iv. 172, 4.

HAB.—London district ; Southend ; New Forest ; Isle of Wight, &c.

## 5. HEDYCHRUM FERVIDUM.

B. M.

*Chrysis fervida*, Fab. *Ent. Syst.* ii. 242, 16. Oliv. *Enc. Méth. Ins.* ii. 675, 16. Spin. *Ins. Lig.* i. 64, 9.

*Hedychrum fervidum*, Latr. *Hist. Nat.* xiii. 240, 3. St. Farg. *Ann. Mus. Hist. Nat.* vii. 122, 7. Shuck. *Ent. Mag.* iv. 172, 5.

HAB.—Wandsworth ; Weybridge, Surrey.

## 6. HEDYCHRUM ROSEUM.

B. M.

*Chrysis rosea*, Rossi, *Faun. Etrus.* ii. 75, 843 (*Exclus. Synon.*), t. 8, f. 7.

*Chrysis rufa*, Panz. *Faun. Germ.* 79, 16.

*Hedychrum roseum*, St. Farg. *Ann. Mus. Hist. Nat.* vii. 123, 13. *Shuck. Ent. Mag.* iv. 173, 6.

HAB.—Hampstead Heath; Birch Wood and Weybridge.

## 7. HEDYCHRUM AURATUM.

B. M.

*Chrysis aurata*, Linn. *Syst. Nat.* i. 948, 4. *Fab. Syst. Ent.* 359, 10, *Piez.* 175, 25. *Schrank, Ins. Aust.* 785. Rossi, *Faun. Etrus.* ii. 75, 844. *Oliv. Enc. Méth.* ii. 675, 18. *Christ. Hym.* 399, t. 44, f. 4. Panz. *Faun. Germ.* 51, 8.

*Hedychrum auratum*, Latr. *Hist. Nat.* xiii. 239. St. Farg. *Ann. Mus. Hist. Nat.* vii. 121, 1. *Shuck. Ent. Mag.* iv. 174, 7.

HAB.—Britain. From the nests of *Cemonus unicolor*, in Bramble sticks.

## 8. HEDYCHRUM ÆNEUM.

B. M.

*Chrysis ænea*, *Fab. Ent. Syst.* ii. 224, 17. Panz. *Faun. Germ.* 51, 7.

*Omalus nitidus*, Panz. *Faun. Germ.* 97, 17.

*Hedychrum nitidum*, *Spin. Ins. Lig.* ii. 170, 15, 1? var.

*Hedychrum æneum*, *Spin. Ins. Lig.* ii. 170, 15.

*Hedychrum imperiale*, Leach, *MSS. Steph. Cat.* 5283.

*Chrysis cœrulea*, *Dahlb. Exercit. Hym.* 33, 17.

*Hedychrum bidentulum*, St. Farg. *Ann. Mus. Hist. Nat.* vii. 121, 3. *Shuck. Ent. Mag.* iv. 174, 8.

HAB.—Britain (Bramble sticks, &c., out of the nests of *Cemonus unicolor*).

## 5. ELAMPUS.

*Chrysis*, pt., *Fab. Syst. Piez.* 170, 1804.

*Hedychrum*, pt., St. Farg. *Ann. Mus. Hist. Ins.* vii. 120, 1806.

*Elampus*, *Spin. Ins. Lig.* ii. 1808.

## 1. ELAMPUS PANZERI.

B. M.

*Chrysis scutellaris*, *Panz. Faun. Germ.* 51, 11, nec *Fab.*

*Chrysis Panzeri*, *Fab. Syst. Piez.* 172, 9. *Spin. Ins. Lig.* i. 63, 3.

*Hedychrum spina*, *St. Farg. Ann. Mus. Hist. Nat.* vii. 121, 2,  
f. 2.

*Elampus Panzeri*, *Shuck. Ent. Mag.* iv. 176, 1.

HAB.—Birch Wood; New Forest; Sandhurst, Bucks; and Wey-  
bridge.



## APPENDIX.

---

### FORMICA RUFA.

- Formica rufa*, Linn. *Faun. Suec.* 1721. *Syst. Nat.* i. 963, 4. *Nyland, Adno. Mon. Form. Boreal*, 902, 5. *Foerster, Hym. Stud. Form.* 13, 3.
- Formica polycтена*, *Foerster, Hym. Stud. Form.* 15, 4, Var. ?
- Formica congerens*, *Foerster, Hym. Stud. Form.* 17, 5, ♂, ♀.

### FORMICA SANGUINEA.

- Formica sanguinea*, *Latr. Hist. Nat. Fourm.* 150. *Foerster, Hym. Stud. Form.* 20, 6.
- Formica dominula*, *Nyland. Adno. Mon. Form. Boreal. Europ.* 905, 6.

Female (length  $4\frac{1}{4}$ — $4\frac{1}{2}$  lines). Head, thorax, legs and scale of the abdomen bright fulvous red; the head above the antennæ, of a reddish brown; the wings smoky at their base, extending to the stigma: abdomen ashy-black; superior margin of the scale entire.

Worker (length 3—4 lines). Bright ferruginous, the head has the vertex, but rarely, slightly stained of a darker colour: abdomen of an ashy-black, tinged with ferruginous at the base; the scale slightly notched above.

Male (length  $3\frac{3}{4}$ —4 lines). Black; the legs, tip of the abdomen, mouth (not the mandibles) and antennæ, pale red; the latter darkest towards their base; head and thorax of about equal width; abdomen one-third wider than the thorax; the scale not notched above; the wings smoky as in the female. (All the sexes from the same nest).

#### FORMICA CUNICULARIA.

*Formica cunicularia*, *Latr. Fourm.* 151. *Nyland. Adno. Mon. Form. Boreal.* 913, 11. *Foerster, Hym. Stud. Form.* 25, 9.

Female (length 4 lines). Antennæ, face below them, the mandibles, thorax, legs and scale of the abdomen bright ferruginous; the disk of the thorax of a dark red-brown, or with three or four spots of that colour; the antennæ are darker towards their apex: the scale is very slightly notched; abdomen of an ashy black; at the base and beneath having a ferruginous tinge: the wings are hyaline, but slightly smoky towards their base; the nervures are testaceous, the stigma brown.

Worker (length 2— $2\frac{3}{4}$  lines). This sex is similarly coloured to the female, but altogether duller; and the thorax is more elongate and narrowed towards the metathorax; the abdominal scale is not notched, and the legs more elongate than in the female.

Male (length 4 lines). Black; the legs and tip of the abdomen of a pale reddish yellow; the scale is quadrate and deeply notched above; the wings hyaline, but smoky towards their base, the nervures testaceous, the stigma brown: abdomen elongate, about the same width as the thorax, and having a bright silky gloss. (All the sexes taken from the same nest.)

NOTE.—The male closely resembles that of *Formica fusca*, but distinguished by having the externo-medial nervure continued to the base of the wing; in *fusca* it becomes obsolete.

#### FORMICA UMBRATA.

B. M.

*Formica umbrata*, *Nyland. Addit. Adno. Mon. Form. Boreal. Europ.* 1048, ♂, ♀, ♂.

HAB.—Hampstead.

Female (length 3 lines) of a brown testaceous red; the legs and antennæ are pale testaceous, as are also the mandibles and apex of the metathorax; the scale is small, and not notched; the head and disk of the thorax very smooth and shining; the wings ample, and deeply smoky towards their base; the nervures and stigma are pale testaceous; the head is of the same width as the thorax, the eyes pubescent.

This species closely resembles *F. flava*, but the thorax is more elongate and narrower, the legs are stouter, and the eyes are pubescent; the female only has hitherto been captured in England.

## FORMICA NIGRA.

*Formica nigra*, *Linn. Faun. Suec.* 1723. *Nyland. Adno. Mon. Form. Boreal.* 920, 16.

*Formica fusca*, *Foerster, Hym. Stud. Form.* 33, 14.

## FORMICA FULIGINOSA.

*Formica fuliginosa*, *Latr. Fourm.* 140, t. 5, f. 27, ♂, ♀, ♂. *Nyland. Adno. Mon. Form. Boreal.* 915, 12. *Foerster, Hym. Stud. Form.* 28, 11.

## FORMICA FLAVA.

*Formica flava*, *Fab. Ent. Syst.* ii. 357, 34. *Nyland. Adno. Mon. Form. Boreal.* 922, 17. *Foerster, Hym. Stud. Form.* 38, 17.

## FORMICA FUSCA.

*Formica fusca*, *Linn. Faun. Suec.* 1722. *Nyland. Adno. Mon. Form. Boreal.* 919, 15.

## MYRMICA RUBRA.

B. M.

*Formica rubra*, *Linn. Faun. Suec.* 1725.

*Myrmica cœspitum*, *Zett. Ins. Lapp.* 450, 1, ♂.

*Myrmica ruginodis*, *Nyland. Adno. Mon. Form. Boreal.* 930, 3. *Foerster, Hym. Stud. Form.* 66, 36.

The majority of specimens examined of this species possessing the Linnean characteristic "punctum nigrum sub abdomine," the Linnean name has been retained for it.

## MYRMICA LÆVINODIS.

B. M.

*Myrmica lævinodis*, *Nyland. Adno. Mon. Form. Boreal. Europ.* 927, 1. *Foerster, Hym. Stud. Form.* 64, 35.

HAB.—Britain.

This species is not rare, and has been hitherto regarded as a form of *M. rubra*.

## MYRMICA RUGINODIS.

B. M.

*Formica vagans*, *Fab. Ent. Syst.* ii. 358, 37. *Piez.* 407, 48?

*Myrmica ruginodis*, *Nyland. Adno. Mon. Form. Boreal. Europ.* 929, 2. *Foerster, Hym. Stud. Form.* 66, 36.

HAB.—Britain.

This species is equally abundant with *M. rubra*, and has been hitherto regarded as a form of that species.

## MYRMICA FUSCULA.

B. M.

*Formica cæspitum*, *Linn. Faun. Suec.* 1726? *Latr. Fourm.* 251.

*Myrmica fuscula*, *Nyland. Adno. Mon. Form. Boreal. Europ.* 935, 6. *Foerster, Hym. Stud. Form.* 56, 29.

HAB.—Sandown Bay, Isle of Wight; London district; and Folkestone.

## MYRMICA SIMILLIMA.

*Myrmica simillima*, *Nyland. MSS.*

Worker (length  $\frac{3}{4}$ —1 line). Head and thorax pale ferruginous, the legs and antennæ more pallid, the coxæ a little coloured, the eyes black; the abdomen is rufo-fuscous, pale towards the apex; the head is evenly longitudinally striate; the thorax above is without the usual transverse suture, but is a little compressed at the sides about the middle, and gradually slightly narrowed from the prothorax towards the nodes of the peduncle; the metathorax is



truncate at the apex, and the spines are short, broad, and acute; the abdomen is furnished with a few scattered erect hairs.

This species is very much like *M. tuberculum*, being of the same size, and resembling some specimens closely in its colour; the sculpture is however different.

HAB.—Dorset.

#### MYRMICA DOMESTICA.

Female (length  $1\frac{3}{4}$  line). Pale fulvous, eyes and ocelli black; a short elongate line on the prothorax, a similar one on each side; the scutellum, a stain on the pectus, and sides of the breast brown; a transverse dark brown fascia on the basal segment of the abdomen not quite reaching the apical margin, the remaining segments dark brown, their margins piceous.

Male (length 1 line). Head black, thorax and abdomen nigropiceous, the legs and antennæ pale testaceous, the femora tinged with brown; the wings hyaline, the nervures and stigma very pale testaceous; the abdomen is heart-shaped, rather palest at the base: the metathorax and peduncle of the abdomen beneath without spines in both sexes.

#### POMPILUS ACUMINATUS.

Male (length 4 lines). Black; head very delicately punctured, with a few larger scattered punctures; the face below the antennæ covered with a thin silvery pile, the labrum concealed, the antennæ about the length of the thorax, robust and of uniform thickness, except the apical joint which is acuminate: thorax, very delicately punctured, the metathorax much more strongly so, and having, particularly at the sides, a silvery pubescence; the sides of the thorax, and all the coxæ are covered with a changeable silvery pile; the wings are slightly clouded at their margins; the second submarginal cell is large and oblong, the third becomes gradually about one-third narrower towards the marginal; the legs nigropiceous, the anterior pair simple, the intermediate and posterior pairs slightly ciliated: abdomen narrower than the thorax, smooth and shining, and thinly covered with a silvery pile, the extreme apex piceous.

HAB.—Kirkpatrick Juxta, Moffat, Scotland.

## TRYPOXYLON ATTENUATA.

Female (length  $3\frac{1}{2}$  lines). Black: very delicately punctured; an impressed line extending from the anterior ocellus to the apex of the prominence between the basal joints of the antennæ; the clypeus clothed with silvery pile: thorax sub-opaque; at the base of the metathorax is a semicircular enclosed space, evenly and divergently striated; down the centre is a longitudinal depression widest at the apex, it is continued from thence to the apex of the metathorax, towards which it gradually becomes narrower; the wings splendidly iridescent, and slightly clouded towards their apical margins: abdomen shining, the three basal segments scarcely constricted; the basal one as long as the second and third united, and having a deep channel above extending half its length from the base.

The male corresponds with the female both in colour and sculpture, exhibiting only the usual sexual differences.

HAB.—Bristol.

CRABRO LAPIDARIUS, *Fab.*

Female (length 4 lines). Black; the head large, quadrate, as wide as the thorax, deeply and coarsely punctured; the stemmata placed in a triangle, the posterior pair in a line with the apical margin of the eyes, the clypeus densely covered with silvery pile and having a central longitudinal carina; the basal joint of the antennæ yellow, and having towards the base within, an elongate brown stain: the thorax above is coarsely punctured, the punctures confluent, the scutellum strigose, the metathorax rugose, and having a central longitudinal impressed line, which is transversely striate; the collar has a yellow spot on each side, and the tubercles, tibiæ, anterior and intermediate femora towards their apex, and basal joint of the tarsi are also yellow; the posterior femora have an elongate yellow stripe beneath; the apical joints of the tarsi rufo-fuscous; the tegulæ piceous, wings hyaline: the abdomen is elongate-ovate; the three basal segments have a broadly interrupted yellow band, the fourth subinterrupted, and the fifth entire; beneath rufo-piceous.

HAB.—Weybridge.

This insect may prove to be the female of the *Crabro clypeatus*; it was captured near the same spot where that species occurred. I think it must be the *lapidarius* of Fab.

## CRABRO SCUTELLARIS.

Female (length 3 lines). Black: head very delicately punctured; the stemmata placed in a triangle on the vertex; on each side of them is a smooth, shining, oblique depression, which extends to the margin of the eyes; between the posterior stemmata is another impressed line, which extends a little beyond them; from the anterior stemma a fourth impressed line extends to the face, which is smooth and shining; the clypeus is covered with silvery pile, and has a central carina; the palpi testaceous, and the mandibles rufescent at their apex; the scape yellow in front: the thorax is closely and finely punctured; the metathorax has an enclosed, half-circular space, divided down the centre by a longitudinal incisure, which passes beyond to the apex of the metathorax; the enclosed space obliquely striated, beyond this it is very delicately transversely striate: the collar (sub-interrupted in the centre), a spot on the scutellum, the anterior tibiæ in front, the intermediate pair at their base and apex in front, and the posterior at their base, yellow: the basal joint of the tarsi, and the tegulæ testaceous; the intermediate and posterior tibiæ spinose: the wings yellow at their extreme base, the tegulæ testaceous: the abdomen is elongate-ovate and subpetiolate, the apical segment is coarsely punctured, and the extreme apex testaceous.

HAB.—Newcastle.

## PROSOPIS CORNUTUS.

*Hylæus cornutus*, *Smith, Zool. vi. 2204, 5, ♀. Kirby, MSS.*  
*Hylæus plantaris*, *Smith, Zool. vi. 2205, 6, ♂.*

These insects have been recently reared from the same nest, and therefore constitute but one species.

## HALICTUS FASCIATUS.

*Halictus fasciatus*, *Nyland. Act. Soc. Sc. Fenn. 275.*

Female (length  $3\frac{1}{2}$  lines). Entirely of a brassy green, except the lower part of the face which is black; the clypeus is smooth and shining, and has a few scattered punctures: the entire insect is closely and delicately punctate; the head and thorax have a thin scattered white pubescence; and the posterior margins of the abdomi-

nal segments have uninterrupted fasciæ of the same colour: at the apex is a little bright yellow pubescence, that on the legs is of the same colour; the apical joints of the tarsi are rufo-piceous.

The male has not hitherto been captured in this country: according to Nylander it closely resembles the male of *Halictus flavipes*, but the antennæ beneath are entirely yellow; in *flavipes* the apical joints are more or less black beneath.

It is very probable that this species is the true "tumulorum" of Linneus; the authentic specimens in the Linnean Cabinet, have the antennæ entirely yellow beneath: if so, the "tumulorum" of this catalogue must be changed to *flavipes*.

ANDRENA APICATUS, *Smith, Zool. v. 1748, 38, ♀.*

Male (length 4 lines). Black: the face covered with long pubescence, on the clypeus it is white, between which and the base of the antennæ it is sooty black; at the extreme vertex is a fringe of pale hair, the same is also thinly scattered on the disk of the thorax, at the sides of the metathorax it is again sooty: the antennæ are about the length of the head and thorax; the mandibles are arcuate, and have at their base a large obtuse tooth: the legs nigropiceous, their pubescence pale: abdomen; the basal segment has a little thin, long, pale pubescence; the margins of the segments nigro-piceous, and the extreme apex clothed with bright yellow pubescence.

HAB.—Bristol.

ANDRENA SIMILLIMA, n. s.

B. M.

Female (length 5 lines). Black: the pubescence on the face pale fulvous, that on the vertex bright fulvous; one or two of the apical joints of the antennæ beneath piceous; the clypeus coarsely punctured: the disk of the thorax clothed with bright fulvous pubescence, becoming paler at the sides of the metathorax: the wings hyaline, their apical margins slightly clouded: the femora beneath are fringed with very pale pubescence; the floccus on the posterior coxæ and trochanters is white, the pubescence which clothes the

legs above is fuscous, that on all the basal joints of the tarsi, beneath, is ferruginous, the calcaria are pale testaceous, and the apical joints of the tarsi rufo-ferruginous: the abdomen oblong-ovate, at the base is a little fulvous pubescence, and the second, third, and fourth segments have a broad fringe of long, pale fulvous pubescence; the apical fimbria clothes the remaining segments, and is dense, long, and black.

Male (length 4 lines). Black: the face clothed with pale pubescence, becoming white on the clypeus, which is deeply emarginate in front, and produced on each side into a sharp tooth; the labium is bidentate; the mandibles arcuate, ferruginous at their tips; the antennæ not quite so long as the head and thorax: the thorax clothed above with thin fulvous pubescence, and beneath with white: the tegulæ testaceous; the wings hyaline, their tips slightly clouded: the basal joints of all the tarsi are clothed beneath with ferruginous pubescence; the calcaria and apical joints of the tarsi rufo-testaceous. Abdomen ovate-lanceolate; the margins of the segments have a very thin marginal fascia of pale pubescence; the apex fulvous.

This species is intermediate between *A. rufitarsis* and *A. nigriceps*. The female recently captured at Sandown Bay, Isle of Wight; and subsequently both sexes at Folkstone, Kent.

#### OSMIA PARIETINA.

Male (length 3—3½ lines). Head and thorax brassy-black, the face below the antennæ covered with long white pubescence; on the vertex it is thin and ferruginous: the thorax above clothed with ferruginous pubescence; beneath, and also on the legs it is hoary: the antennæ as long as the head and thorax: abdomen black, finely punctured, at the base a thin fringe of ferruginous pubescence, on the rest of the abdomen it is thin, erect, and black; the apex is slightly emarginate; beneath, the margin of the second segment is sinuate, the third is nearly hidden beneath the second, and deeply notched in the centre; the margin of the incisure fringed with ferruginous hairs; the fourth is produced, and sinuate in the centre, the whole finely punctured.

## OSMIA FUSCIFORMIS.

*Osmia fusciformis*, *Latr. Encyl. Méth.* 8, 595.

Female (length  $4\frac{1}{2}$  lines). Black: head and thorax closely punctured, the anterior margin of the clypeus entire, the face sparingly clothed with black hairs; those on the occiput are rufo-fulvous, as is also the pubescence on the disk of the thorax and on the two basal segments of the abdomen; the pubescence on the rest of the segments black; the entire pubescence of the legs, and also that on the abdomen beneath black: the pubescence on the basal joint of the posterior tarsi within, slightly reddish; the tips of the wings are slightly clouded.

The male has not hitherto been captured in this country: the following is its description by Latreille:—

The antennæ of the male are not much longer than those of the female; the down of the head, and all the upper part of the body rufous; the hairs of the clypeus are paler, and the intermediate rings of the abdomen are less hairy at their base; the hairs on the lower sides of the head and of the legs, the two first especially, are gray; the sixth segment of the abdomen is rounded on the sides, and slightly notched in the middle of the apical margin; the seventh has a deep cut, which makes it appear bidentate.

HAB.—Birch Wood, Kent.

## BOMBUS ARCTICUS.

B. M.

*Bombus arcticus*, *Dahlb. Bomb. Scand.* 50, 32. *Zett. Ins. Lapp.* 476, 13. *Nyland. Notis. Faun. Flo. Fenn.* 288, 2.

Female (length 8—9 lines). The face clothed with black pubescence, a fringe of rufo-fulvous on the margin of the vertex: the disk of the thorax clothed with rufo-fulvous pubescence, beneath with black: that on the legs is also black, except the inner face of the basal joint of the posterior tarsi, which is ferruginous: the abdomen has a little black pubescence at the base, particularly at the sides, the rest is of a reddish yellow above, but beneath it is black.

HAB.—Lerwick, Shetland. Common in Mr. J. A. White's Garden. Sandlodge, Shetland. Common in Mr. Bruce's Garden, &c. Captured by Mr. Adam White, August, 1851.

# INDEX.

---

## A.

- abdominalis, Larra, 20  
     "    Tiphia, 20  
     "    Halictus, 58  
     "    Hylæus, 58  
     "    Melitta, 58  
 acervorum, Formica, 5  
     "    Myrmica, 5  
     "    Megilla, 96  
     "    Apis, 96  
     "    Anthoph. 97  
 acuminatus, Pompilus, 119  
 acuta, Cœlioxys, 90  
 ænea, Osmia, 80  
     "    Anthophora, 80  
     "    Apis, 80  
 æneum, Hedychrum, 112  
 ærata, Melitta, 56  
 æratus, Halictus, 56  
 æstiva, Andrena, 67  
 æstivalis, Bremus, 98  
 æneum, Chrysis, 112  
 affinis, Pompilus, 14  
     "    Priocnemis, 14  
     "    Calicurgus, 14  
     "    Ammophila, 17  
     "    Psammophila, 17  
 Afzeliella, Andrena, 73  
     "    Melitta, 73  
 Agenia, 10  
 agino, Apicis, 78  
 agilis, Apicis, 90  
 agrorum, Apis, 99  
     "    Bombus, 99  
     "    Bremus, 99  
 albigena, Anoplius, 12  
 albomaculata, Sphex, 14  
 albilabris, Crabro, 29, 31  
     "    Pempredon, 31  
     "    Lindenius, 31  
 albipes, Apis, 58  
     "    Halictus, 58, 59  
     "    Hylæus, 58  
     "    Melitta, 58  
     "    Prosopis, 59  
 albicans, Andrena, 64  
     "    Melitta, 64  
 albilabris, Apis, 62  
     "    Ceratina, 94  
 Albinella, Apis, 97  
 albiventris, Megachile, 77  
 albofasciata, Vespa, 47  
 Alecto, Melecta, 91  
 alternata, Nomada, 89  
 Alyson, 37  
 Ammobates, 83  
 Ammophila, 16, 17  
 analis, Andrena, 61  
     "    Chrysis, 108  
 anathema, Larra, 18  
     "    Liris, 18  
     "    Tachytes, 18  
 Ancistrocerus, 45  
 Andrena, 50, 60, 73, 74, 75,  
     94  
 Andrenetæ, 50  
 Andrenidæ, 50  
 Andrenides, 50  
 Andrenites, 50  
 androgynus, Philanthus, 43  
     "    Crabro, 43  
 angulatus, Vespa, 45  
 angustior, Andrena, 67  
     "    Melitta, 67  
 Anoplius, 10  
 Ant, the ash-coloured, 3  
     "    the brown, 2  
     "    the garden, 2  
     "    the house, 5  
     "    the jet, 3  
     "    the mining, 2  
     "    the red, 4  
     "    the small black, 3  
     "    the turf, 3  
     "    the warrior, 2  
     "    the wood, 1  
     "    the yellow, 3  
 Anthocopa, 81  
 Anthophora, 76, 89, 92, 93,  
     95, 96  
 anthracinus, Ceratopho-  
     rus, 35  
 annularis, Hylæus, 52  
     "    Melitta, 52  
     "    Prosopis, 52  
 annulata, Prosopis, 51  
     "    Sphex, 52  
     "    Melitta, 53  
 annulatus, Apis, 51  
     "    Hylæus, 51  
     "    Melitta, 51  
 annulatus, Prosopis, 51  
 annulus, Crabro, 29  
 antilope, Odynerus, 46  
     "    Vespa, 46  
 Apathus, 97  
 apicata, Andrena, 69  
 apicatus, Andrena, 69  
 apiculata, Cœlioxys, 90  
 Aphidium, Crabro, 31  
     "    Crossocerus, 31  
 Apis, 9, 24, 50, 51, 53, 55,  
     60, 75, 76, 81, 82, 83, 89,  
     91, 92, 93, 94, 95, 96, 97,  
     99, 106  
 Apius, 23  
 apivorus, Philanthus, 43  
 Aporus, 15  
 Appendix, 114  
 Aprilina, Andrena, 69  
 arboreus, Vespa, 49  
 arbustorum, Apis, 105, 164  
     "    Bombus, 104  
 arcticus, Bombus, 124  
 ardens, Hedychrum, 111  
 arenaria, cerceris, 41  
     "    Pepsis, 16  
     "    Sphex, 16  
 arenarius, Philanthus, 42  
     "    Gorytes, 38  
 argentata, Andrena, 71  
     "    Anthophora, 82  
 argentatus, Oxybelus, 23  
 armata, Nomada, 86  
 Arpactus, 37, 39  
 articulata, Andrena, 70  
 arvensis, Vespa, 36  
 assiduus, Apicis, 64  
 Astata, 20  
 ater, Stigmus, 32  
     "    Panurgus, 76  
     "    Trachusa, 76  
     "    Philanthus, 75  
     "    Psen, 40  
     "    Panurgus, 75  
 aterrima, Apis, 82  
     "    Andrena, 64  
     "    Stelis, 82  
 atra, Andrena, 64  
     "    Crocisa, 91  
     "    Myrmosa, 7  
     "    Sphex, 40

- atrata, *Nomada*, 87  
 atrata, *Prosopis*, 52  
 atratum, *Trypoxylon*, 40  
 atratus, *Psen*, 40  
 atricapilla, *Osmia*, 80  
 atriceps, *Melitta*, 65  
 „ *Andrena*, 65  
 atricornis, *Eumenes*, 44  
 Atropos, *Melecta*, 91  
 attenuata, *Trypoxylon*, 120  
 attenuatus, *Pompilus*, 13  
 aucta, *Vespa*, 46  
 audax, *Apicis*, 96, 103  
 aurata, *Chrysis*, 112  
 auratum, *Hedychrum*, 112  
 auratus, *Ichneumon*, 107  
 aurita, *Cerceris*, 41  
 aurlenta, *Osmia*, 79  
 Austriaca, *Chrysis*, 110
- B.
- baccata, *Nomada*, 84  
 Banksiana, *Apis*, 76  
 „ *Panurgus*, 76  
 barbatula, *Andrena*, 72  
 Barbutella, *Apis*, 99  
 Barbutellus, *Apathus*, 99  
 Bee, the carder, 99  
 „ the hive, 106  
 Beckwithella, *Apis*, 99  
 bellicosus, *Oxybelus*, 23  
 bicincta, *Apis*, 58  
 bicinctus, *Crabro*, 38  
 „ *Gorytes*, 38  
 „ *Lestiphorus*, 38  
 bicolor, *Ammobates*, 83  
 „ *Andrena*, 65, 68  
 „ *Apis*, 65, 79  
 „ *Aporus*, 15  
 „ *Mimesa*, 41  
 „ *Miscophus*, 19  
 „ *Osmia*, 79  
 „ *Psen*, 41  
 bicornis, *Anthophora*, 78  
 „ *Apis*, 78, 79  
 „ *Apicis*, 78  
 „ *Osmia*, 79  
 bidens, *Crabro*, 29, 42  
 bidentata, *Andrena*, 69  
 „ *Apis*, 90  
 „ *Chrysis*, 109  
 bidentulum, *Hedychrum*,  
 112  
 bifasciata, *Agenia*, 11  
 „ *Sphex*, 11  
 bifasciatus, *Anoplius*, 11  
 „ *Pompilus*, 11  
 „ *Symmorphus*,  
 45  
 bimaculata, *Andrena*, 66
- bimaculata, *Anthophora*,  
 95  
 „ *Apis*, 95  
 „ *Melitta*, 66  
 „ *Saropoda*, 95  
 bimaculatus, *Crabro*, 31,  
 36  
 bipunctatus, *Mellinus*, 36  
 bistriata, *Apis*, 103  
 Blepharipus, 24  
 Bombus, 97, 99  
 boops, *Astata*, 20  
 borealis, *Nomada*, 85  
 Bremus, 97, 99  
 brevis, *Crabro*, 32  
 „ *Entomognathus*, 32  
 „ *Lindenis*, 32  
 Britannica, *Vespa*, 49  
 brunnea, *Formica*, 2  
 bucephala, *Andrena*, 66  
 Burrellana, *Apis*, 104  
 Burrellanus, *Bombus*, 104
- C.
- cæspitum, *Apis*, 101  
 „ *Formica*, 4, 118  
 „ *Myrmica*, 117  
 calcaratus, *Panurgus*, 75  
 calendarum, *Apis*, 50  
 „ *Evodia*, 50  
 „ *Megilla*, 50  
 Calicurgus, 10  
 calloso, *Megilla*, 94  
 „ *Apis*, 94  
 calva, *Mutilla*, 6  
 campanularum, *Apis*, 93  
 93 „ *Heriades*,  
 93 „ *Megachile*,  
 campestris, *Ammophila*, 17  
 „ *Apathus*, 98  
 „ *Apis*, 98  
 „ *Bombus*, 98  
 „ *Gorytes*, 38  
 „ *Harpactus*, 37  
 „ *Mellinus*, 37  
 „ *Miscus*, 17  
 „ *Psithyrus*, 98  
 „ *Sphex*, 17  
 „ *Vespa*, 37  
 capitosus, *Crabro*, 29  
 capræ, *Apis*, 88  
 carbonaria, *Agenia*, 11, 12  
 „ *Apis*, 64  
 carbonarius, *Crabro*, 29  
 Cemonus, 33, 34, 35  
 Centris, 91  
 centuncularis, *Anthopho-*  
*ra*, 76
- centuncularis; *Apis*, 76, 77  
 „ *Apicis*, 77  
 „ *Megachile*,  
 76  
 cephalotes, *Crabro*, 27  
 „ *Formica*, 2  
 ceramius, *Crabro*, 20  
 Ceratina, 94  
 „ cærulea, 94  
 Ceratocolus, 24  
 Ceratophorus, 35  
 Cerceris, 41  
 cerifera, *Apis*, 106  
 Ceropales, 10, 15, 21, 39  
 Ceti, *Andrena*, 62  
 „ *Apis*, 62  
 cetratus, *Crabro*, 26  
 Chelostoma, 93  
 Chrysidida, 106  
 Chrysididæ, 106  
 Chrysidides, 106  
 Chrysidites, 106  
 Chrysis, 106, 107, 110, 113  
 chrysosceles, *Andrena*, 113  
 „ *Melitta*, 61  
 chrysura, *Kirbya*, 74  
 „ *Melitta*, 74  
 cincta, *Andrena*, 70  
 cinctellus, *Anoplius*, 12  
 „ *Pompilus*, 12  
 cineraria, *Andrena*, 64  
 cinerea, *Apis*, 64  
 cingulata, *Andrena*, 62  
 „ *Melitta*, 62  
 „ *Nomada*, 62  
 Cillisa, 73  
 circumcincta, *Apis*, 78  
 78 „ *Megachile*,  
 Clarkella, *Andrena*, 68  
 „ *Melitta*, 68  
 clavicornis, *Apis*, 10  
 „ *Sapyga*, 10  
 clavipes, *Crabro*, 24  
 „ *Pompilus*, 18  
 „ *Rhopalum*, 24  
 „ *Sphex*, 24  
 clavicerum, *Trypoxylon*,  
 24  
 Cleptes, 106  
 clypeata, *Thyreopus*, 27  
 clypeatus, *Crabro*, 25, 26  
 „ *Pompilus*, 12  
 coarctata, *Eumenes*, 44  
 „ *Vespa*, 44  
 cochlearipes, *Apis*, 96  
 Cœlioxys, 89  
 Collinsonana, *Andrena*, 71  
 „ *Melitta*, 71  
 colorata, *Prosopis*, 52  
 cœrulea, *Chrysis*, 112  
 cœrulescens, *Andrena*, 80



- cærulescens*, *Chrysis*, 109  
 „ *Apis*, 80  
 „ *Hedychrum*,  
 111  
*cærulipes*, *Chrysis*, 109  
*cognatus*, *Bombus*, 100  
*Coitana*, *Andrena*, 61  
 „ *Melitta*, 61  
*collaris*, *Apis*, 103  
*Colletes*, 50  
*collium*, *Apis*, 99  
*collinus*, *Bombus*, 104  
*combinata*, *Andrena*, 72  
 „ *Melitta*, 72  
*compressicornis*, *Pelopæus*  
 40  
*congerens*, *Formica*, 115  
*conica*, *Anthophora*, 90  
 „ *Apis*, 90  
 „ *Cælioxys*, 90  
 „ *Megachile*, 90  
*conjuncta*, *Andrena*, 67  
*conjungens*, *Nomada*, 84  
*connectens*, *Andrena*, 72  
 „ *Melitta*, 72  
*connexa*, *Apis*, 89  
*connexus*, *Odynerus*, 45  
*consimilis*, *Andrena*, 65, 67  
*constrictus*, *Andrena*, 69  
*contigua*, *Melitta*, 73  
*contracta*, *Formica*, 6  
 „ *Ponera*, 6  
*corniculus*, *Dolichurus*, 18  
*coronata*, *Vespa*, 44  
*convexiuscula*, *Andrena*,  
 73  
 „ *Melitta*, 73  
*cornigera*, *Apis*, 78, 88  
 „ *Nomada*, 88  
 „ *Passalæcus*, 34  
*cornuta*, *Megachile*, 79  
 „ *Osmia*, 79  
*cornutus*, *Hylæus*, 52  
 „ *Prosopis*, 52, 121  
*coronata*, *Apis*, 105  
*Crabro*, 19, 21, 22, 24, 33,  
 34, 36, 37, 41  
*Crabro*, *Vespa*, 48  
*Crabronidæ*, 23  
*crabroniformis*, *Masaris*,  
 10  
*crassicornis*, *Odynerus*, 44  
 „ *Pompilus*, 14  
 „ *Vespa*, 44  
*crassipes*, *Crabro*, 24  
 „ *Pemphredon*, 24  
*cribraria*, *Sphex*, 25  
 „ *Vespa*, 25  
*cribrarius*, *Crabro*, 25, 26  
 „ *Thyreopus*, 26  
*crocipes*, *Apis*, 56  
*Crocisa*, 91  
*Crossocerus*, 24  
*crucigera*, *Nomada*, 83  
*cruenta*, *Sphex*, 39  
*cruentus*, *Mellinus*, 39  
 „ *Pompilus*, 39  
 „ *Cullumana*, *Apis*, 104  
*Cullumanus*, *Bombus*, 104  
*cunicularia*, *Formica*, 2,  
 116  
*cunicularius*, *Crabro*, 42  
*cuprea*, *Chrysis*, 109  
*curburtina*, *Apis*, 94  
*Curtisella*, *Apis*, 99  
*curtus*, *Pompilus*, 14  
*cyanea*, *Apis*, 94  
 „ *Ceratina*, 94  
 „ *Chrysis*, 109  
  
 D.  
*Dalii*, *Nomada*, 87  
*Dasyпода*, 74, 75  
*Daviesana*, *Colletes*, 51  
 „ *Melitta*, 51  
*decemguttata*, *Sapyga*, 9  
*decipiens*, *Sapyga*, 9  
*decorata*, *Andrena*, 63  
*denticulata*, *Andrena*, 70  
*Derhamellus*, *Bombus*, 105  
*dentata*, *Apicis*, 92  
*denticulata*, *Melitta*, 70  
*desertus*, *Apicis*, 58  
*diadema*, *Simblephilus*, 43  
*difformis*, *Pompilus*, 14  
*digitalis*, *Melitta*, 71  
*dilatata*, *Melitta*, 52  
 „ *Prosopis*, 52  
*dilatatus*, *Hylæus*, 52  
 „ *Prosopis*, 52  
*dimidiata*, *Chrysis*, 109  
 „ *Larra*, 19  
*dimidiatus*, *Crabro*, 25  
 „ *Nysson*, 22  
*Dimorpha*, 20  
*Dinetus*, 19  
*Diodontus*, 33  
*Diplopteryga*, 44  
*dispar*, *Andrena*, 68  
*distincta*, *Andrena*, 67  
*divisa*, *Melitta*, 54  
*divisus*, *Sphex*, 54  
*Dolichurus*, 18  
*domestica*, *Myrmica*, 5, 119  
*dominula*, *Formica*, 115  
*Donovanella*, *Apis*, 104  
*dorsata*, *Andrena*, 71  
 „ *Formica*, 1  
 „ *Melitta*, 71  
*dubia*, *Larra*, 19  
*dubito*, *Apicis*, 91  
*Dumbledor*, 103  
  
 E.  
*Elampus*, 113  
*elegans*, *Odynerus*, 45  
 „ *Symmorphus*, 45  
*elongatus*, *Crossocerus*, 29  
*elongatulus*, *Crabro*, 29, 30  
 „ *Crossocerus*,  
 29  
*emarginata*, *Vespa*, 45  
*emarginatus*, *Ancistroce-*  
*rus*, 45  
*Entomognathus*, 24  
*Epeolus*, 83  
*ephippia*, *Sphex*, 54  
 „ *Sphex*, 54  
*ephippium*, *Bombus*, 104  
 „ *Mutilla*, 7  
*Epipone*, 47  
*equestris*, *Apis*, 100  
 „ *Bombus*, 100  
 „ *Mimesa*; 40  
 „ *Psen*, 40  
 „ *Trypoxylon*, 40  
*ericetorum*, *Apis*, 101  
 „ *Bombus*, 101  
*Eriops*, 75  
*extricata*, *Andrena*, 70  
*Eucera*, 94  
*Eucharis*, 110  
*Euchærus*, 110  
*Eumenes*, 44  
*Eumenidæ*, 44  
*Europæa*, *Mutilla*, 6  
*Euspongus*, 37  
*Evania*, 10, 15, 39  
*Evodia*, 50  
*exaltata*, *Sphex*, 14  
*exaltatus*, *Pompilus*, 14  
 „ *Priocnemis*, 14  
*exiguus*, *Crabro*, 32  
 „ *Crossocerus*, 32  
*eximia*, *Andrena*, 62  
*exultus*, *Vespa*, 41  
  
 F.  
*Fabriciella*, *Apis*, 86  
*Fabriciana*, *Apis*, 86  
 „ *Nomada*, 86  
*farfarisequa*, *Andrena*, 75  
*Fargeii*, *Gorytes*, 38  
*fasciata*, *Apis*, 99  
 „ *Cerceris*, 43  
 „ *Megachile*, 77  
*fasciatus*, *Halictus*  
*fasciatellus*, *Pompilus*, 12  
*fastuosus*, *Apicis*, 76

- femoralis, Priocnemis, 13  
 femorata, Tiphia, 8  
 femoratus, Bethylus, 8  
 ferrox, Andrena, 63  
 " Oxybelus, 22  
 ferruginata, Apis; 87  
 " Nomada, 87  
 fervida, Chrysis, 111  
 fervidum, Hedychrum, 111  
 fidens, Apicis, 101  
 figulus; Apicis, 24  
 " Sphecx, 24  
 " Trypoxylon, 24  
 flava, Apis, 84  
 " Formica, 3, 117  
 " Nomada, 84, 85  
 flavipennis, Pepsis, 17  
 " Sphecx, 17  
 flavipes, Apis, 55  
 " Halictus, 56  
 " Hylæus, 56  
 " Melitta, 56  
 flavo-nigrescens, Bombus,  
 102  
 flavoguttata, Apis  
 " Nomada  
 flavopicta, Apis, 88  
 floralis, Apis, 99  
 florissomnis; Apis, 93  
 " Chelostoma, 9  
 " Hylæus, 93  
 " Megachile, 93  
 fodiens, Apis, 51  
 " Colletes, 50, 51  
 " Melitta, 50  
 Formica, 1, 4  
 formicaria, Mutilla, 8  
 Formicidæ, 1  
 formido, Apicis, 103  
 Forsterella, Apis, 99  
 Fossores, 8  
 fossorius, Crabro, 27  
 Francillonella, Apis, 99  
 Francisana, Apis, 98  
 Francisanus, Psithyrus,  
 98  
 fragrans, Apis, 100  
 " Bombus, 100  
 frontalis, Andrena; 61  
 " Crabro, 36  
 fronticornis, Anthophora,  
 78  
 " Apis, 78  
 frutetorum, Apis, 97  
 " Psithyrus, 98  
 fucata, Andrena, 67  
 " Apis, 85  
 " Nomada, 85  
 fulgida, Chrysis, 108  
 fuliginosa, Formica, 3, 117  
 " Sphecx, 24  
 fulva, Andrena, 68  
 " Melitta, 68  
 fulvago, Andrena, 63  
 " Melitta, 63  
 fulvescens, Andrena, 61  
 fulvicornis, Melitta, 59  
 fulvicrus, Andrena, 70  
 " Melitta, 70  
 fulvescens, Melitta, 61  
 fulvicornis, Halictus, 59  
 " Mellinus, 36  
 fulviventris, Apis, 54  
 " Osmia, 80  
 fulvocincta, Melitta, 58  
 fulvocinctus, Halictus, 58,  
 59  
 furcata, Saropoda, 96  
 furva, Nomada, 87  
 fusca, Anthophora, 79  
 " Apis, 79  
 " Formica, 3, 117  
 " Pompilus, 13  
 " Sphecx, 13  
 fuscata, Andrena, 73  
 " Melitta, 73  
 " Sphecx, 12  
 fuscatus, Pompilus, 12  
 fusciformis, Osmia, 81,  
 124  
 fuscipes, Andrena, 70  
 " Melitta, 70  
 fuscus, Calicurgus, 14  
 " Pompilus, 14  
 " Priocnemis, 14  
 fuscula, Myrmica, 118
- G.
- gazell, Vespa, 46  
 geniculatus, Crabro, 31  
 Germanica, Nomada, 87  
 " Vespa, 48  
 Geoffrella, Melitta, 54  
 " Sphecodes, 54  
 Geoffroyanus, Odynerus,  
 45  
 gibba, Apis, 54  
 " Melitta, 54  
 " Nomada, 54  
 " Sphecx, 13, 53  
 gibbus, Pompilus, 13  
 " Sphecodes, 53, 54  
 glutinosus, Hylæus, 50  
 Gonatophus, 7  
 Goodeniana, Apis; 89  
 " Nomada, 89  
 Gorytes, 37  
 gracilis, Diodontus, 34  
 " Passalæcus, 34  
 gramineus, Halictus, 57  
 graminicola, Formica, 5
- gregaria, Apis, 106  
 gutta, Pompilus, 13  
 guttata, Sphecx, 20  
 guttatus, Nysson, 21  
 " Pompilus, 20  
 Gwynana, Andrena, 67  
 " Melitta, 67
- H
- hæmorrhoidalis, Andrena,  
 60  
 " Cilissa, 74  
 " Apis, 64  
 " Melitta, 60  
 Halictus, 55  
 Harpactus, 39  
 Harrisella, Apis, 105  
 Harrisellus, Bombus, 105  
 Hattorfiana, Nomada, 62  
 Hawthana, Anthophora,  
 97  
 " Apis, 97  
 hedera, Osmia, 79  
 Hedychrum, 110  
 Hellus, 9  
 helvola, Andrena, 66  
 " Apis, 66, 67  
 " Melitta, 66  
 Herculeana, Formica, 1  
 Heriades, 92, 93  
 Hill-ant, 2  
 Hillana, Apis, 85  
 hircana, Agenia, 11  
 hircanus, Pompilus, 11  
 hirsuta, Ammophila, 16  
 " Anthophora, 97  
 " Sphecx, 16  
 hirta, Andrena, 75  
 " Apis, 80  
 " Osmia, 80  
 hirtipes, Andrena, 75  
 " Dasy-poda, 75  
 " Trachusa, 75  
 Hispanica, Apis, 96  
 Hive Bee, 106  
 holsatica, Vespa, 49  
 Honey Bee, 106  
 Hoplisus, 37  
 Hornet, 48  
 hortorum, Apis, 101  
 " Bombus, 101  
 Humble Bee, 103  
 hyalinata, Liris, 12  
 " Sphecx, 12  
 hyalinatus, Anoplius, 12  
 " Hylæus, 53  
 " Pompilus, 12  
 " Prosopis, 53  
 hyalinus, Crabro, 29, 30  
 Hylæus, 51, 55, 92, 93, 94

## I.

Ichneumon, 15, 106  
 " Guepe, 25  
 ichneumonides, Methoca, 8  
 ichneumoniformis, Larra, 18  
 ignita, Chrysis, 107  
 " Spheg, 108  
 impavidus, Apicis, 100  
 imperiale, Hedychrum, 112  
 inermis, Apis, 90  
 " Osmia, 81  
 inquilina, Nomada, 85  
 insignis, Diodontus, 34  
 " Passalæcus, 34  
 " Pemphredon, 34  
 insolens, Vespa, 46  
 interrupta, Cerceris, 42  
 interruptus, Cerceris, 42  
 " Crabro, 27  
 " Halictus, 58  
 " Hylæus, 58  
 " Mellinus, 21  
 " Nysson, 21  
 interstinctus, Crabro, 28  
 invictus, Apicis, 50

## J.

Jacobææ, Apis, 88  
 " Nomada, 88  
 jacobulator, Astata, 20  
 Jockischiana, Larra, 19  
 Jonella, Apis, 102  
 Jonellus, Bombus, 102

## K.

Kennedii, Alyson, 37  
 Kirbii, Andrena, 71  
 Kirbya, 73

## L.

labialis, Andrena, 61  
 " Melitta, 61  
 labiata, Andrena, 62  
 " Cerceris, 42  
 " Macropis, 74  
 " Prosopis, 52  
 labiatus, Crabro, 42  
 " Mellinus, 52  
 " Philanthus, 42  
 Lachesis, Melecta, 91  
 lacinia, Andrena, 69  
 læta, Cerceris, 41  
 lætus, Philanthus, 41  
 lævigata, Melitta, 59  
 lævigatus, Halictus, 59

lævinodis, Myrmica, 118  
 lævipis, Odynerus, 47  
 lævis, Gorytes, 39  
 " Halictus, 57  
 " Harpactus, 39  
 " Melitta, 57  
 " Mutilla, 39  
 lagopoda, Anthophora, 77  
 lagopus, Andrena, 74  
 lagopus, Scapter, 74  
 lapidaria, Apis, 105  
 lapidarius, Bombus, 105  
 " Crabro, 26, 27, 120  
 " Solenius, 27  
 Lapponica, Andrena, 66  
 Larra, 18, 19, 39  
 Larridæ, 18  
 Lasioglossum, 55  
 Lasius, 1, 96  
 Lathamana, Melitta, 60  
 Lathuriana, Apis, 85  
 " Nomada, 85  
 lateralis, Nomada, 84  
 laticinctus, Euspongius, 38  
 " Hoplisus, 38  
 " Gorytes, 38  
 Latreillii, Myrmicina, 5  
 Latreillella, Apis, 103  
 Latreillellus, Bombus, 103  
 Leachii, Chrysis, 109  
 Leachella, Apis, 77  
 " Megachile, 77  
 Leaiana, Apis, 98  
 " Osmia, 80  
 Lefebvrei, Bombus, 104  
 Lestiphorus, 37  
 lethifer, Cemonus, 35  
 leucomelana, Osmia, 81  
 leucophthalma, Apis, 84  
 leucopus, Halictus, 56  
 " Melitta, 56  
 leucostoma, Crabro, 28, 31  
 " Crossocerus, 29  
 " Pemphredon, 29  
 " Spheg, 24, 28  
 leucozonia, Apis, 59  
 " Melitta, 59  
 leucozonius, Halictus, 59  
 Lewinella, Melitta, 71  
 " Andrena, 71  
 libera, Formica, 3  
 libitarius, Gorytes, 38  
 ligniseca, Apis, 77  
 " Megachile, 77  
 limbata, Vespa, 43  
 Lindenius, 24  
 " Crabro, 27  
 lineola, Apis, 88  
 linguaria, Eucera, 95  
 Linnæella, Apis, 75  
 Liris, 18

Listerella, Andrena, 70  
 " Melitta, 70  
 lobata, Andrena, 75  
 " Dasygaster, 75  
 " Trachusa, 75  
 lobatus, Panurgus, 75  
 longicornis, Eucera, 94  
 " Apicis, 94  
 " Apis, 94  
 longipes, Andrena, 66  
 longulus, Halictus, 57  
 lucida, Andrena, 68  
 lucidula, Chrysis, 111  
 lucidulum, Hedychrum, 111  
 lucorum, Apis, 101  
 " Bombus, 101  
 luctuosa, Apis, 91  
 " Melecta, 91  
 luctuosus, Pemphredon, 35  
 lugubris, Cemonus, 34  
 " Crabro, 34  
 " Halictus, 59  
 " Pemphredon, 34  
 luperus, Diodontus, 33  
 lullianus, Bombus, 104  
 lunicornis, Alyson, 37  
 " Pompilus, 37  
 lutaria, Ammophila, 17  
 " Mimesa, 41  
 " Spheg, 17  
 luteipalpis, Crabro, 29  
 " Crossocerus, 29  
 Lyrops, 18

## M.

Macropis, 74  
 maculata, Ceropales, 15  
 " Evania, 15  
 maculatus, Halictus, 60  
 " Nysson, 21  
 " Sphecodes, 54  
 maculipennis, Priocnemis, 12  
 malachura, Melitta, 58  
 malachurus, Halictus, 58  
 Manica, 4  
 manicata, Apis, 92  
 marginata, Andrena, 62  
 " Colletes, 51  
 maritima, Apis, 77  
 " Megachile, 77  
 Marshamella, Apis, 89  
 " Nomada, 89  
 Masaris, 9  
 maura, Apis, 103  
 manicatum, Anthidium, 92  
 maxillosa, Apis, 93  
 " Chelostoma, 93  
 " Heriades, 93  
 " Megachile, 93

## N

- maxillosus, Hylæus, 93  
 maxima, Formica, 2  
 media, Formica, 2, 3  
 Megachile, 76, 81, 82, 89,  
 91, 92, 93  
 Megæra, Melecta, 91  
 Megilla, 55, 74, 82, 94, 96  
 Mellinus, 39  
 melanocephala, Melitta, 65  
 7 " Myrmosa,  
 " Vespa, 47  
 melanocephalus, Odyne-  
 rus, 47  
 " Oplopus  
 47  
 melanostoma, Nomada, 84  
 Melecta, 91  
 " Clotho, 91  
 Melitta, 50, 51, 53, 55, 60,  
 73, 74  
 melinus, Apicis, 99  
 melleus, Apicis, 100  
 Mellifera, 50  
 Mellinus, 36, 37  
 mellifica, Apis, 106  
 Methoca, 7  
 Mimesa, 40  
 minimus, Apicis, 54  
 minorum; Bombus, 99  
 minor, Bombylius, 105  
 " Formica, 2  
 " rubescens, Formi-  
 ca, 3  
 minutula, Andrena, 72  
 " Melitta, 72  
 minuta, Melitta, 57  
 " Nomada, 87  
 " Stelis, 83  
 " Tiphia, 9  
 minutissimus, Halictus,  
 57  
 " Melitta,  
 57  
 minutus, Cemonus, 33  
 " Crabro, 33  
 " Diodontus, 33  
 " Halictus, 57  
 " Pemphredon, 33  
 " Stigmus, 33  
 Miscophus, 19  
 Miscus, 17  
 mistura, Nomada, 88  
 monilicornis, Melitta, 53  
 montanus, Bombus, 104  
 monticola, Bombus, 104  
 Mouffetella, Andrena, 65  
 " Melitta, 65  
 morio, Ceratophorus, 35  
 " Halictus, 56  
 " Hylæus, 56  
 " Melitta, 56  
 " Pemphredon, 35  
 " Tiphia, 8  
 micronatus, Oxybelus, 22  
 multicolor, Ichneumon, 15  
 murarum, Crabro, 28  
 murarius, Symmorphus,  
 44  
 muraria, Vespa, 44  
 muscaria, Apis, 83  
 muscorum, Apis, 99, 100  
 " Bombus, 99,  
 100  
 " Bremus, 100  
 Mutilla, 6, 39  
 Mutillidæ, 6  
 Myrmecina, 5  
 Myrmica, 4  
 Myrmicidæ, 4  
 Myrmosa, 7  
 mystacea, SpheX, 37  
 mystaceus, Gorytes, 37  
 " Harpactus, 37  
  
 N.  
 nana, Andrena, 61, 72  
 " Melitta, 72  
 nasuta, Cerceris, 42  
 neglecta, Chrysis, 110  
 " Nomada,  
 neutra, Apis, 102  
 neuter, Bombus, 102  
 nemorum, Apathus, 98  
 " Bombus, 98  
 nidulans, Halictus, 55  
 niger, Pompilus, 11  
 " Lassius, 2  
 " Apis, 54  
 " Formica, 2, 3, 117  
 " Melecta, 91  
 " Myrmosa, 7  
 " SpheX, 11  
 nigriceps, Andrena, 69  
 " Melitta, 69  
 nigricornis, Oxybelus, 23  
 nigripes, Nysson, 21  
 " Oxybelus, 22  
 " Sphecodes, 54  
 nigrita, Mutilla, 7  
 nigriventris, Osmia, 80  
 nigroænea, Andrena, 66  
 " Melitta, 66  
 nigroæneus, Oxybelus, 23  
 nitida, Andrena, 65  
 " Apis, 65  
 " Melitta, 65  
 nitidiusculus, Halictus, 57  
 " Melitta, 57  
 nitidula, Ceratina, 94  
 " Cleptes, 107  
 nitidum, Hedychrum, 111,  
 112  
 nitidus, Omalus, 112  
 Nyssonidæ, 21  
 nobile, Hedychrum, 111  
 nobilis, Chrysis, 111  
 " SpheX, 111  
 Nomada, 60, 83, 53  
 Norwegica, Vespa, 49  
 notata, Melecta, 91  
 " SpheX, 13  
 notatus, Anoplius, 13  
 " Pompilus, 13  
 Nysson, 21  
  
 O.  
 obliquus, Crabro, 30  
 obovata, Melitta, 59  
 obsoleta, Formica, 2  
 ochrostoma, Apis, 85  
 " Nomada, 85  
 octomaculata, Stelis, 83  
 odontura, Megachile, 77  
 Odynerus, 44, 47, 45  
 " trifasciatus, 46  
 Omalus, 110  
 opis, Apicis, 105  
 Oplopus, 47  
 ornata, Cerceris, 42  
 ornatrix, Chrysis, 108  
 " Philanthus, 42  
 ornatula, Stelis, 83  
 Osmia,  
 ovatula, Melitta, 73  
 Oxybelus, 22  
  
 P.  
 pacca, Hellus, 9  
 " Sirex, 9  
 pallincta, Apis, 51  
 pallida, Formica, 2  
 pallidipalpis, Crabro, 31  
 " Crossocerus,  
 31  
 pallipes, Pemphredon, 33  
 " SpheX, 33, 40  
 " Psen, 40  
 Palmaria, SpheX, 26  
 palmipes, Apis, 96  
 " Crabro, 27  
 Panurgus, 75  
 Panzeri, Crabro, 31  
 " Elampus, 113  
 papaveris, Apis, 82  
 " Anthocopa, 82  
 " Megachile, 82  
 " Osmia, 82  
 parletina, Osmia, 81  
 " Vespa, 46, 47  
 parietinus, Ancistrocerus,  
 46  
 " Odynerus, 46  
 parietum, Ancistrocerus,  
 45, 46  
 " Odynerus, 44,  
 45  
 " Vespa, 45, 46, 49

- parvula, *Andrena*, 72  
 „ *Melitta*, 72  
*Passalæcus*, 33  
*patellaria*, *Sphex*, 25  
*patellatus*, *Crabro*, 25  
 „ *Thyreopus*, 25  
*pauperatus*, *Blepharipus*,  
 25  
*Panzeri*, *Lindeni*, 31  
*pectinipes*, *Pompilus*, 14  
 „ *Sphex*, 14  
 „ *Tachytes*, 19  
*pedunculata*, *Vespa*, 44  
*pellucidus*, *Sphecodes*, 55  
*Pelopæus*, 39  
*Pemphredon*, 24, 33, 34,  
 35  
*pendulus*, *Stigmus*, 32  
*pennipes*, *Apis*, 96  
*Pepsis*, 17  
*pertristis*, *Apicis*, 105  
*pervigil*, *Apicis*, 92  
*petiolatus*, *Anoplius*, 11  
 „ *Crabro*, 36  
 „ *Pompilus*, 11  
*petulans*, *Vespa*, 41  
*Philanthus*, 41, 75  
 „ *Cerceris*, 43  
*phœoptera*, *Apis*, 82  
 „ *Megachile*, 82  
 „ *Stelis*, 82  
*Physoscelus*, 24  
*picea*, *Melitta*, 53  
*piceus*, *Specodes*, 53  
*picipes*, *Melitta*, 68  
*picta*, *Apis*, 88  
 „ *Larra*, 20  
*pictus*, *Crabro*, 20  
 „ *Dinetus*, 20  
 „ *Odynerus*, 46  
 „ *Philanthus*, 43  
*pivicornis*, *Andrena*, 67  
 „ *Melitta*, 67  
*picipes*, *Andrena*, 68  
*pilicornis*, *Osmia*, 81  
*pilipes*, *Andrena*, 64  
 „ *Apis*, 96  
 „ *Lassius*, 97  
 „ *Megilla*, 97  
*pilosula*, *Andrena*, 69  
 „ *Melitta*, 69  
*pinguis*, *Larra*, 20  
*Pison*, 18  
*plantaris*, *Hylæus*, 53, 121  
 „ *Prosopis*, 53  
*pleurosticta*, *Nomada*, 87  
*plumbea*, *Sphex*, 10  
*plumbeus*, *Pompilus*, 10  
*plumipes*, *Andrena*, 75  
 „ *Apis*, 96  
 „ *Dasy-poda*, 75  
*polita*, *Andrena*, 63  
*polyctena*, *Formica*, 115  
*podagricus*, *Crabro*, 29  
 „ *Crosserus*, 29  
*pororum*, *Bremus*, 97  
*Pompilidæ*, 10  
*pompiliformis*, *Larra*, 19,  
 20  
 „ *Tachytes*,  
 19  
*Pompilus*, 10, 16, 18, 19,  
 37, 39  
*Ponera*, 6  
*Poneridæ*, 6  
*potentella*, *Andrena*, 54  
*pratensis*, *Formica*, 2  
 „ *Melitta*, 64  
*pratorum*, *Apis*, 100, 103,  
 104  
 „ *Bombus*, 100,  
 103  
*prasinus*, *Halictus*, 59  
*Prionemis*, 10  
*prisma*, *Hellus*, 10  
 „ *Sapyga*, 10  
 „ *Scolia*, 10  
*propinquus*, *Crabro*, 31  
*Prosopis*, 51, 55, 94  
*proxima*, *Andrena*, 67  
 „ *Melitta*, 71  
*proximus*, *Crabro*, 29  
*Psammophila*, 16  
*Psen*, 39, 40  
*Psithyrus*, 97  
*pubescens*, *Andrena*, 70  
 „ *Crabro*, 30  
 „ *Melitta*, 70  
*pulcher*, *Pompilus*, 10  
*punctata*, *Centris*, 91  
 „ *Cœlioxys*, 90  
 „ *Melecta*, 91  
 „ *Sapyga*, 9  
*punctulatissima*, *Mega-*  
*chile*, 82  
 „ *Apis*, 82  
 „ *Hylæus*,  
 53  
 „ *Prosopis*  
 53  
*punctulata*, *Melitta*, 58  
*punctum*, *Ceropales*, 12  
 „ *Crabro*, 27  
 „ *Evania*, 12  
 „ *Pompilus*, 12  
 „ *Sphex*, 12  
*purpurascens*, *Osmia*, 80  
*pygmæus*, *Apis*, 100  
 „ *Bombus*, 100  
*pyrina*, *Megachile*, 77  
 Q.  
*quadrata*, *Vespa*, 46  
*quadricincta*, *Melitta*, 55  
*quadricinctus*, *Hylæus*, 55  
 „ *Halictus*, 55  
 „ *Philanthus*,  
 43  
*quadridentata*, *Cœlioxys*,  
 90  
*quadrifasciatus*, *Gorytes*, 38  
 „ *Harpac-*  
*tus*, 38  
 „ *Mellinus*  
 38  
 „ *Philan-*  
*thus*, 41  
*quadriguttata*, *Sapyga*, 9  
 „ *Scolia*, 9  
*quadriguttatus*, *Hellus*, 9  
*quadrinotata*, *Apis*, 86  
 „ *Nomada*, 86  
*quadrinotatus*, *Halictus*,  
 60  
 „ *Melitta*, 60  
*quadrimaculatus*, *Crabro*,  
 28  
*quadripunctata*, *Sapyga*, 9  
*quatuordecimguttatus*,  
*Oxybelus*, 23  
*quinquecinctus*, *Hoplisus*,  
 38  
 „ *Mellinus*,  
 38  
 „ *Philan-*  
*thus*, 41, 42  
*quinquefasciata*, *Vespa*,  
 47  
 R.  
*Raiellus*, *Apis*, 105  
 „ *Bombus*, 105  
*Reaumurii*, *Odynerus*, 47  
*regalis*, *Apis*, 103  
*regelationis*, *Bombus*, 104  
*regia*, *Chrysis*, 110  
*regium*, *Hedychrum*, 110  
*retusa*, *Anthophora*, 96, 97  
 „ *Apis*, 96  
 „ *Megilla*, 97  
*revo*, *Sphex*, 14  
*Rhopalum*, 24  
*Roberjeotiana*, *Nomada*,  
 86  
*Rosæ*, *Andrena*, 62  
 „ *Melitta*, 62, 63  
*rosea*, *Chrysis*, 112  
*roseum*, *Hedychrum*, 112  
*Rossiella*, *Apis*, 98  
*Rossiellus*, *Bombus*, 98  
 „ *Psithyrus*, 98  
*rotundata*, *Apis*, 95  
*rubra*, *Formica*, 4, 117

- rubra, Manica, 4  
 „ Myrmica, 4, 117  
 „ Nomada, 87  
 rubicola, Odynerus, 47  
 rubicunda, Melitta, 55  
 rubicundus, Apis, 55  
 „ Halictus, 55  
 rubricata, Andrena, 63  
 Ruddii, Chrysis, 108  
 rudrata, Apis, 101  
 rudratus, Bombus, 102  
 rufa, Apis, 53, 54, 78  
 „ Chrysis, 112  
 „ Formica, 1, 115  
 „ Osmia, 78  
 „ Psen, 40  
 „ Vespa, 49  
 rufescens, Apis, 54  
 „ Cœlioxy, 90  
 „ Sphecodes, 54  
 ruficollis, Ceropales, 39  
 „ Evania, 39  
 ruficornis, Apis, 83  
 „ Mellinus, 36, 37  
 „ Nomada, 83  
 rufipes, Apis, 96  
 „ Mutilla, 7  
 „ Pompilus, 12, 13  
 „ Spheg, 12  
 rufitarsis, Megachile, 77  
 rufiventris, Apis, 85  
 „ Crabro, 24  
 „ Nomada, 85  
 „ Physosceles,  
 24  
 rufocincta, Apis, 87  
 rufo-fasciata, Spheg, 13  
 rufo-picta, Apis, 88  
 rupestris, Apathus, 97  
 „ Bombus, 97  
 „ Psithyrus, 98  
 ruginodis, Myrmica, 117,  
 118  
 rugosus, Sphecodes, 54  
  
 S.  
 sabulosa, Ammophila, 16  
 „ Spheg, 16  
 sabulosus, Cerceris, 43  
 „ Crabro, 36  
 „ Mellinus, 36  
 „ Philanthus, 43  
 sanguinea, Formica, 2, 115  
 Sanvitali, Tengyra, 8  
 Sapyga, 9  
 Sapygidæ, 9  
 Saropoda, 95  
 saxonica, Vespa, 48  
 Schæfferella, Apis, 89  
 Schrankella, Melitta, 62  
  
 Scolia, 9  
 Scoliadæ, 8  
 Scoticus, Odynerus, 46  
 Scrimshirana, Apis, 102  
 Scrimshiranus, Bombus,  
 102  
 scutatus, Crabro, 26  
 „ Crossocerus, 26  
 scutellaris, Crabro, 121  
 Scapter, 74  
 Seladonia, Apis, 56  
 „ Melitta, 56  
 seladonius, Halictus, 56  
 sellata, Mutilla, 7  
 semiaurata, Chrysis, 107  
 „ Cleptes, 107  
 semiauratus, Ichneumon,  
 107  
 semicinctus, Philanthus,  
 42  
 senilis, Apis, 100  
 „ Bombus, 100  
 separata, Andrena, 61  
 sepicola, Pompilus, 14  
 sericatus, Pompilus, 13  
 „ Priocnemis, 13  
 serraticornis, Psen, 40  
 sexcincta, Apis, 88  
 sexcinctus, Crabro, 27  
 sexdentata, Euchræus,  
 110  
 sex-fasciata, Nomada, 89  
 „ Vespa, 45  
 sexguttata, Scolia, 9  
 sexnotata, Melitta, 60  
 sexnotatus, Halictus, 60  
 sexpunctata, Sapyga, 9  
 „ Vespa, 46  
 sexpunctatus, Hellus, 9  
 Shawella, Andrena, 73  
 „ Melitta, 73  
 Sheppardana, Apis, 87  
 signata, Melitta, 52  
 „ Nomada, 85  
 „ Prosopis, 51, 52  
 signatus, Blepharipus, 25  
 „ Crabro, 25  
 „ Hylæus, 52  
 „ Prosopis, 52  
 sinuatus, Crabro, 27  
 Simblephilus, Jurine, 43  
 simillima, Myrmica, 118  
 „ Andrena, 123  
 similis, Andrena, 70  
 simplex, Vespa, 45  
 Sirex, 9  
 Smeathmanella, Melitta;  
 57  
 Smeathmanellus, Halictus  
 57  
 Smithella, Andrena, 68  
 „ Melitta, 68  
  
 Solenius, 24  
 solidaginis, Apis, 88  
 „ Nomada, 87  
 soroensis, Apis, 102  
 „ Bombus, 102,  
 103, 104  
 Sowerbiana, Apis, 99  
 Sphecodes, 53  
 sphecodes, Melitta, 53  
 „ Sphecodes, 53  
 Sphecidæ, 16  
 Sphecites, 16  
 Sphegidæ, 16  
 Sphegides, 16  
 sphegoides, Apis, 62  
 Spheg, 10, 16, 17, 18, 19,  
 20, 23, 24, 34, 37, 39, 41,  
 53, 106, 107  
 Spilomena, 32  
 spina, Hedychrum, 113  
 spinningera, Andrena, 62, 63  
 „ Melitta, 63  
 spinipes, Odynerus, 47  
 „ Vespa, 47  
 spinipectus, Crabro, 30  
 spinosa, Ceropales, 21  
 spinosus, Nysson, 21  
 spinulosa, Apis, 81  
 „ Osmia, 81  
 splendens, Ichneumon,  
 107  
 Stelis, 82  
 Stenamma, 5  
 stigma, Astata, 20  
 „ Dimorpha, 20  
 „ Nomada, 87  
 Stigmus, 32, 33  
 Stoudera, Chrysis, 108  
 striatus, Ceratocolus, 27  
 striata, Nomada, 84  
 strigosa, Andrena, 95  
 subaurata, Apis, 56  
 „ Megilla, 56  
 subcornuta, Apis, 88  
 subglobosa, Apis, 96  
 subinterrupta, Apis, 97,  
 104  
 subinterruptus, Bombus,  
 104  
 subpunctatus, Crabro, 28  
 „ Crossocerus  
 28  
 subquadratus, Sphecodes,  
 55  
 subterranea, Bombus, 105  
 succincta, Andrena, 50  
 „ Apis, 50  
 „ Colletes, 50  
 „ Chrysis, 109  
 „ Melitta, 50  
 „ Nomada, 89  
 subterranea, Apis, 98, 102

- subterraneus, *Bombus*, 102  
 superbus, *Apicis*, 80  
 " *Vespa*, 36  
 Swammerdamella, *Melitta*, 75  
 sylvarum, *Apathus*, 98  
 " *Apis*, 98, 101  
 " *Bombus*, 100  
 " *Bremus*, 101  
 sylvestris, *Vespa*, 49  
 Symmorphus, 44
- T.
- Tachytes, 18  
 tarsata, *Andrena*, 61  
 tarsatus, *Crabro*, 27  
 temporalis, *Cœlioxys*, 90  
 Tengyra, 7  
 terebrator, *Halictus*, 58  
 terrestris, *Apis*, 101, 102, 103  
 " *Bombus*, 103  
 teutonus, *Pompilus*; 18  
 thoracica, *Andrena*, 64, 65  
 " *Melitta*, 65  
 Thyreopus, 24  
 tibiale, *Rhopalum*, 25  
 tibialis, *Andrena*, 65  
 " *Corynopus*, 25  
 " *Crabro*, 25  
 " *Pemphredon*, 25  
 Tiphia, 8  
 Tisiphone, *Melecta*, 91  
 transversalis, *Crabro*, 30  
 triangulum, *Philanthus*, 43  
 " *Vespa*, 43  
 tricingulum, *Lasioglossum*, 60  
 tridentata, *Andrena*, 69  
 " *Melitta*, 69  
 trifasciatus, *Ancistrocerus*, 46  
 trifasciata, *Vespa*, 46  
 trimaculatus, *Nysson*, 21  
 trimarginatus, *Odynerus*, 46  
 Trimmerana, *Andrena*, 66  
 " *Melitta*, 66  
 trispinosus, *Oxybelus*, 22  
 tristis, *Diodontus*, 33  
 " *Pemphredon*, 33  
 trivialis, *Pompilus*, 14  
 troglodytes, *Celia*, 32  
 " *Spilomena*, 32  
 " *Stigmus*, 32
- truncorum, *Anthophora*, 92, 93  
 " *Bremus*, 104, 105  
 " *Heriades*, 92  
 " *Megachile*, 92  
 Trypoxylon, 23; 39, 40  
 tuberculata, *Apis*, 95  
 tuberosa, *Myrmica*, 4  
 tuberosa, *Formica*, 4  
 tumidus, *Apicis*, 93  
 " *Arpactus*, 39  
 " *Gorytes*, 39  
 " *Harpactus*, 39  
 " *Mellinus*, 39  
 tumulorum, *Apicis*, 95  
 " *Apis*, 56  
 " *Halictus*, 56  
 tunensis, *Apis*, 79  
 " *Megachile*, 79  
 " *Osmia*, 79  
 Tunstallana, *Apis*, 103  
 " *Bombus*, 103
- U.
- U-flavum, *Crabro*, 36  
 umbrata, *Formica*, 116  
 umbrina, *Cœlioxys*, 90  
 unicolor, *Cemonus*, 35  
 " *Larra*, 19  
 " *Mimesa*, 41  
 " *Pelopæus*, 40  
 " *Psen*, 41  
 " *Sphex*, 34  
 " *Tachytes*, 19  
 unifasciata, *Formica*, 5  
 " *Myrmica*, 5  
 uniglumis, *Crabro*, 22  
 " *Oxybelus*, 22  
 " *Vespa*, 22  
 ursina, *Apis*, 75, 76  
 " *Dasypoda*, 76  
 ursinus, *Panurgus*, 76
- V.
- vaga, *Mellinus*, 36  
 " *Sphex*, 36  
 vagabundus, 28  
 vagans, *Formica*, 118  
 vagus, *Crabro*, 28  
 " *Solenius*, 28  
 Vanderlindeni, *Crabro*, 26  
 varia, *Apis*, 85  
 " *Nomada*, 85  
 " *Sapyga*, 9  
 variabilis, *Cerceris*, 42  
 " *Crabro*, 42
- varians, *Andrena*, 66  
 " *Apis*, 66  
 " *Melitta*, 66  
 variegata, *Agencia*, 11  
 " *Apis*, 83  
 " *Ceropales*, 15  
 " *Nomada*, 83  
 " *Prosopis*, 52  
 " *Sphex*, 11  
 variegatus, *Anoplius*, 11  
 " *Epeolus*, 83  
 " *Mellinus*; 52  
 " *Pompilus*, 11  
 vectis, *Cœlioxys*, 90  
 vereor, *Apicis*, 103  
 versicolor, *Megachile*, 76  
 Vespa, 22, 24, 36, 37, 41, 44, 45, 47  
 Vespidae, 48  
 vestalis, *Apis*, 98  
 " *Bombus*, 98  
 " *Psithyrus*, 98  
 vestita, *Andrena*, 68  
 " *Apis*, 68  
 veterana, *Apis*, 98  
 vexillatus, *Crabro*, 26  
 " *Thyreus*, 26  
 viatica, *Psammophila*, 16  
 " *Sphex*, 13, 16  
 viaticus, *Pompilus*, 13  
 victor, *Astata*, 20  
 vidua, *Nomada*, 85  
 villosa, *Tiphia*, 8  
 villosula, *Melitta*, 58  
 villosulus, *Halictus*, 58  
 villosus, *Bethylus*, 8  
 violacea, *Sphex*, 121  
 violaceum, *Hedychrum*, 111  
 virginalis; *Apis*, 101  
 " *Bombus*, 101  
 vitrea, *Andrena*, 65  
 vulgaris, *Ammophila*, 16  
 " *Crabro*, 48  
 " *Vespa*, 48, 49  
 vulgo, *Apicis*, 99  
 vulpina, *Saropoda*, 96  
 " *Andrena*; 58  
 " *Anthophora*, 96  
 " *Apis*, 68, 95  
 vulpinus, *Halictus*, 58
- W.
- Walkerii, *Crabro*, 31  
 Wasp, the Anchor-faced, 43  
 " the campanular, 49  
 " the common, 48  
 " the northern, 49  
 " the tree, 49  
 Wesmali, *Crabro*, 30

- |                              |                         |    |                       |
|------------------------------|-------------------------|----|-----------------------|
| Wesmaeli, Crossocerus,<br>30 |                         | X. | Xanthura, Melitta, 73 |
| Westwoodii, Stenamma, 5      | xanthomelana, Apis; 80  |    | Xylæcus, 33           |
| Wilkella, Andrena, 71        | "    Osmia, 80          |    | xylurgus, Crabro, 27  |
| "    Melitta, 71             | xanthopus, Halictus, 60 |    |                       |
| Willughbiella, Apis, 78      | "    Melitta, 60        | Z. |                       |
| 78    "    Megachile,        | xanthosticta, Apis, 86  |    | zonulus, Halictus, 59 |
|                              | "    Nomada, 86         |    | zonalis, Melitta, 62  |
|                              | xanthura, Andrena, 73   |    |                       |

## ERRATA.

- Page 128—flavoguttata, Apis, *add* 86.  
 "    "    Nomada, *add* 86.









